

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

**TABLE 3**

Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2867	9134	D45247	G, H, K, BB, CC, GGG	proteasome (prosome, macropain) subunit, beta type 5, proteasome (prosome, macropain) subunit, beta type, 5	
3875	22849	NM_057099	G, H	proteasome (prosome, macropain) subunit, beta type 6, proteasome (prosome, macropain) subunit, beta type, 6	
3875	25253	NM_057099	B, G, H, PPP, QQQ	proteasome (prosome, macropain) subunit, beta type 6, proteasome (prosome, macropain) subunit, beta type, 6	

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TABLE 3						
Attorney Docket 4-921-5038-01WO Document No. 1935828.1						
Seq ID	CLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3906	25252	NM_080767	O, P, HH	<p>proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7), proteosome (prosome, macropain) subunit, beta type 8 (large multifunctional protease 7)</p>	ESTs, Highly similar to PRCY MOUSE PROTEASOME COMPONENT C13 PRECURSOR [M.musculus], RIKEN cDNA 5830406J20 gene, proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7), proteosome (prosome, macropain) subunit, beta type 8 (large multifunctional protease 7)	
3123	4002	NM_012708	KKK	<p>proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2), proteosome (prosome, macropain) subunit, beta type 9 (large multifunctional protease 2)</p>	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2), proteosome (prosome, macropain) subunit, beta type 9 (large multifunctional protease 2)	



TABLE 3					Attorney Docket 44921-5038-01W6 Document No. 1935328.1	
Seq ID	GLGC ID No.	GenBank Acc. or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3123	4003	NM_012708	I, J, KKK	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2), proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional protease 2)	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2), proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional protease 2)	
4246	556	X64336	V, NN, OO	protein C, protein C (inactivator of coagulation factors Va and VIIIa)	B-factor, properdin, ESTs, Weakly similar to S18994 protein C (activated) (EC 3.4.21.69) precursor - rat [R.norvegicus], histocompatibility 2, complement component factor B, protein C, protein C (inactivator of coagulation factors Va and VIIIa)	
3124	24545	NM_012713	D	protein kinase C, beta, protein kinase C, beta 1	expressed sequence AW049591, protein kinase, AMP-activated, beta 1 non-catalytic subunit	
3716	17601	NM_031976	K, U, X, Y, LLL, SSS	protein kinase, AMP-activated, beta 1 non-catalytic subunit, alpha isoform	EST, Weakly similar to A46240 phosphoprotein phosphatase [H.sapiens], EST, Weakly similar to JN0723 phosphoprotein phosphatase [H.sapiens], protein phosphatase 1, catalytic subunit, alpha isoform	
3637	9369	NM_031527	E	protein phosphatase 1, catalytic subunit, alpha isoform	EST, Weakly similar to A46240 phosphoprotein phosphatase [H.sapiens], EST, Weakly similar to JN0723 phosphoprotein phosphatase [H.sapiens], protein phosphatase 1, catalytic subunit, alpha isoform	
3637	9370	NM_031527	RR, SS	protein phosphatase 1, catalytic subunit, alpha isoform	EST, Weakly similar to A46240 phosphoprotein phosphatase [H.sapiens], EST, Weakly similar to JN0723 phosphoprotein phosphatase [H.sapiens], protein phosphatase 1, catalytic subunit, alpha isoform	

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935838.1	
Seq ID	GLEC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3210	21287	NM_013065	N	protein phosphatase 1, catalytic subunit, beta isoform	protein phosphatase 1, catalytic subunit, beta isoform			
1424	3203	AI012595	Q, R, General Alternate	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, protein phosphatase 2a, catalytic subunit, alpha isoform	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, protein phosphatase 2a, catalytic subunit, alpha isoform			
3257	3202	NM_017039	B, Q, R, WW, General Alternate	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, protein phosphatase 2a, catalytic subunit, alpha isoform	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform, protein phosphatase 2a, catalytic subunit, alpha isoform			
3258	24596	NM_017040	Q, R, PP, QQ, SS, VV	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, protein phosphatase 2a, catalytic subunit, beta isoform	Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600017J22:protein phosphatase 2a, catalytic subunit, beta isoform, full insert sequence, protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, protein phosphatase 2a, catalytic subunit, beta isoform			

Attorney Docket 44921-5038-01WO  
Document No. 1993828.1

TABLE 3

Seq ID	GLGC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3258	24597	NM_017040	B, II	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, protein phosphatase 2a, catalytic subunit, beta isoform	Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600017J22:protein phosphatase 2a, catalytic subunit, beta isoform, full insert sequence, protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform, protein phosphatase 2a, catalytic subunit, beta isoform
3259	21580	NM_017041	ZZ, AAA	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha), protein phosphatase 3, catalytic subunit, alpha isoform	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha), protein phosphatase 3, catalytic subunit, alpha isoform
3652	24219	NM_031579	B, I, J, DD, EE, NN, OO, SS, III, JJJ	protein tyrosine phosphatase 4a1, protein tyrosine phosphatase type IVA, member 1	protein tyrosine phosphatase 4a1, protein tyrosine phosphatase type IVA, member 3 phosphatase type IVA, member 1, protein tyrosine phosphatase type IVA, member 3
1928	1841	AI113289	O, P, Q, R, V, DD, NN, OO, PP, QQ, III, JJJ, General Alternate	protein tyrosine phosphatase, non-receptor type 1	EST, Moderately similar to A34845 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor type 1B - rat [R.norvegicus], ESTs, Moderately similar to PTN1_HUMAN PROTEIN-TYROSINE PHOSPHATASE, NON-RECEPTOR TYPE 1 [H.sapiens], protein tyrosine phosphatase, non-receptor type 1
3016	1843	M33962	DD, ZZ, AAA, III, JJJ, KKK	protein tyrosine phosphatase, non-receptor type 1	EST, Moderately similar to A34845 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor type 1B - rat [R.norvegicus], ESTs, Moderately similar to PTN1_HUMAN PROTEIN-TYROSINE PHOSPHATASE, NON-RECEPTOR TYPE 1 [H.sapiens], protein tyrosine phosphatase, non-receptor type 1

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

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Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				protein tyrosine phosphatase, non-receptor type 1	EST, Moderately similar to A34845 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor type 1B - rat [R.norvegicus], ESTs, Moderately similar to PTN1_HUMAN PROTEIN-TYROSINE PHOSPHATASE, NON-RECEPTOR TYPE 1 [H.sapiens], protein tyrosine phosphatase, non-receptor type 1
3016	1844	M33962	E, DD, ZZ, AAA, III, JJJ	protein tyrosine phosphatase, non-receptor type 1	ESTs, Moderately similar to JC5288 SHP substrate-1 protein, 509 - mouse [M.musculus], ESTs, Weakly similar to JC5288 SHP substrate-1 protein, 509 - mouse [M.musculus], protein tyrosine phosphatase, non-receptor type substrate 1, signal-regulatory protein beta 1, signal-regulatory protein beta 2
3197	11904	NM_013016	E, BB, PP, EEE, III, MMM	protein tyrosine phosphatase, receptor type 1	ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], RIKEN cDNA 1600019O04 gene, expressed sequence AU040377, protein tyrosine phosphatase, receptor type, S
2269	14977	AI177386	JJ, KK	protein tyrosine phosphatase, receptor type, D	ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], RIKEN cDNA 1600019O04 gene, expressed sequence AU040377, protein tyrosine phosphatase, receptor type, S
3356	14971	NM_019140	JJ, KK	protein tyrosine phosphatase, receptor type, D	ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], RIKEN cDNA 1600019O04 gene, expressed sequence AU040377, protein tyrosine phosphatase, receptor type, S
3356	14973	NM_019140	JJ, KK, General Alternate	protein tyrosine phosphatase, receptor type, D	ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], RIKEN cDNA 1600019O04 gene, expressed sequence AU040377, protein tyrosine phosphatase, receptor type, S
3356	14974	NM_019140	T	protein tyrosine phosphatase, receptor type, D	ESTs, Weakly similar to 2103274A receptor type protein Tyr phosphatase [M.musculus], ESTs, Weakly similar to S40282 protein-tyrosine-phosphatase [M.musculus], ESTs, Weakly similar to S46216 leukocyte antigen-related protein precursor - rat [R.norvegicus], Mus musculus, clone IMAGE:5101040, mRNA, partial cds, protein tyrosine phosphatase, non-receptor type 9, protein tyrosine phosphatase, receptor type, D, protein tyrosine phosphatase, receptor type, F, protein tyrosine phosphatase, receptor-type, F
3029	1973	M60103	I, J, Y, FF, KKK, LLL, OOO, RRR, SSS, General Core Tox Markers, General Alternate	protein tyrosine phosphatase, receptor type, F, protein tyrosine phosphatase, receptor-type, F	

TABLE 3						
Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935823.1
3577	20410	NM_030990	SS	proteolipid protein (myelin), proteolipid protein 1 (Pelizaeus-Merzbacher disease, spastic paraplegia 2, uncomplicated)	Mus musculus 15 days embryo male testis cDNA, RIKEN full-length enriched library, clone:8030496P19:glycoprotein m6b, full insert sequence, Mus musculus, clone MGC:32434 IMAGE:5041793, mRNA, complete cds, PH domain containing protein in retina 1, glycoprotein m6b, proteolipid protein (myelin)	
3431	22916	NM_021740	HHH	prothymosin alpha, prothymosin, alpha (gene sequence 28)	ESTs, Highly similar to THYA_HUMAN PROTHYMOSIN ALPHA [H.sapiens], RIKEN cDNA 2610009E16 gene, prothymosin alpha, prothymosin, alpha (gene sequence 28)	
4287	20426	Z12158	SS, WW	pyruvate dehydrogenase (lipoamide) alpha 1, pyruvate dehydrogenase E1 alpha 1		
4097	1928	U10357	II, General Alternate	pyruvate dehydrogenase 2, pyruvate dehydrogenase kinase, isoenzyme 2	Mus musculus, Similar to pyruvate dehydrogenase kinase, isoenzyme 1, clone MGC:28719 IMAGE:4458562, mRNA, complete cds, Mus musculus, Similar to pyruvate dehydrogenase kinase, isoenzyme 3, clone MGC:6383 IMAGE:3500763, mRNA, complete cds, pyruvate dehydrogenase 2, pyruvate dehydrogenase kinase, isoenzyme 2	
3745	5175	NM_053297	O, P, NN, OO, W, EEE, MMM	pyruvate kinase 3, pyruvate kinase, muscle	ESTs, Moderately similar to A33983 pyruvate kinase [H.sapiens]	
3686	14953	NM_031774	IUU, XX, YY	Rab acceptor 1 (prenylated)	Rab acceptor 1 (prenylated)	

Attorney Docket 44921-5058-01WO  
Document No. 1935828.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	CLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	
3981	14822	NM_138708	Q, R, JJ, KK, MM, FFF, TTT	RAB geranylgeranyl transferase, b subunit, Rab geranylgeranyl transferase, b subunit	RAB geranylgeranyl transferase, b subunit, Rab geranylgeranyl transferase, beta subunit, expressed sequence AA409500
484	18489	AA891669	RR	RAB11B, member RAS oncogene family	
210	24654	AA819333	D, V	RAB3D, member RAS oncogene family	RAB3D, member RAS oncogene family
3532	4228	NM_023950	V	RAB7, member RAS oncogene family	ESTs, Weakly similar to RAB7 MOUSE RAS-RELATED PROTEIN RAB-7 [M.musculus], Mus musculus, clone MGC:25695 IMAGE:3672128, mRNA, complete cds, RAB7, member RAS oncogene family
3726	21809	NM_032067	ZZ, AAA	Ral-interacting protein 1, ralA binding protein 1	Ral-interacting protein 1, ralA binding protein 1
3726	21810	NM_032067	ZZ, AAA	Ral-interacting protein 1, ralA binding protein 1	Ral-interacting protein 1, ralA binding protein 1
794	21821	AA925664	LL	RAP1A, member of RAS oncogene family	RAP2A, member of RAS oncogene family, hypothetical protein DKFZp761C07121, hypothetical protein similar to small G proteins, especially RAP-2A
3237	23362	NM_013216	JJ, GGG	RAS-homolog enriched in brain, Ras homolog enriched in brain 2	ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], RAS-homolog enriched in brain, RIKEN cDNA 1810036J22 gene, Ras homolog enriched in brain 2, ras-like protein VTS58635

Attorney Docket 44921-5038-01WO  
Document No. 193828.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	CLCG ID No.	GenBank Acc Or RefSeq ID	Model Code	Human Homologous Known Gene Name	
1846	2069	AI103616	VV	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	ESTs, Highly similar to Cdc42 From Human, Nmr, 20 Structures [H.sapiens], Mus musculus DBC2 protein (Dbc2) mRNA, complete cds, Mus musculus mRNA for small GTPase Tc10, complete cds, RAC3, RIKEN cDNA 1700008H16 gene, ras homolog gene family, member J, ras-like protein, ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
1415	2791	AI012429	ZZ, AAA	receptor (calcitonin) activity modifying protein 1	receptor (calcitonin) activity modifying protein 1
3645	28	NM_031546	H, I, J, FF, FFF, OOO, SSS, UUU, General Core Tox Markers, General Alternate	regucalcin, regucalcin (senescence marker protein-30)	regucalcin, regucalcin (senescence marker protein-30)
3822	24621	NM_053764	Z, AA	regulator of G-protein signaling 14, regulator of G-protein signaling of G-protein signalling 14	regulator of G-protein signaling 12, regulator of G-protein signaling 14, regulator of G-protein signalling 14
2472	2088	AI229727	NN, OO	regulator of G-protein signaling 5, regulator of G-protein signalling 5	regulator of G-protein signaling 5, regulator of G-protein signalling 5
3638	12996	NM_031528	C, RR	retinoic acid receptor, alpha	retinoic acid receptor, alpha, retinoic acid receptor, beta
3043	25060	M81766	D	retinoid X receptor beta, retinoid X receptor, beta	



Attorney Docket 44924-5038-01WO  
Document No. 1935028.1

TABLE 3

Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2980	17472	M10934	HH, SS	retinol binding protein 4, plasma	EST, Moderately similar to VAHU plasma retinol-binding protein precursor [H.sapiens], EST, Weakly similar to RETB_RAT Plasma retinol-binding protein precursor (PRBP) (RBP) [R.norvegicus], retinol binding protein 4, plasma
3417	12087	NM_020082	B, LLL, SSS, UUU	ribonuclease, RNase A family 4, ribonuclease, RNase A family, 4	ESTs, Weakly similar to RNL4_RAT Ribonuclease 4 precursor (RNase 4) (RL3) [R.norvegicus], angiogenin, angiogenin related protein, angiogenin-like, expressed sequence A1385586, ribonuclease, RNase A family 4, ribonuclease, RNase A family, 4
3670	21575	NM_031698	V, FF	ribophorin II	EST, Moderately similar to RIB2_HUMAN DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN GLYCOSYLTRANSFERASE 63 KDA SUBUNIT PRECURSOR [H.sapiens], ESTs, Moderately similar to RIB2_HUMAN DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE--PROTEIN GLYCOSYLTRANSFERASE 63 KDA SUBUNIT PRECURSOR [H.sapiens], ribophorin 2, related sequence 1, ribophorin II
3594	11849	NM_031065	A, B, G, H, RR, EEE, MMM, UUU, General Alternate	ribosomal protein L10A, ribosomal protein L10a	EST, Moderately similar to R10A MOUSE 60S RIBOSOMAL PROTEIN L10A [M.musculus], ribosomal protein L10A, ribosomal protein L10a
4053	11850	R46985	G	ribosomal protein L10A, ribosomal protein L10a	EST, Moderately similar to R10A MOUSE 60S RIBOSOMAL PROTEIN L10A [M.musculus], ribosomal protein L10A, ribosomal protein L10a
3601	23854	NM_031101	G, II, FFF, GGG, General Alternate	ribosomal protein L13	EST, Moderately similar to JC2368 ribosomal protein L13, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to JC2368 ribosomal protein L13, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to ribosomal protein L13; 60S ribosomal protein L13; breast basic conserved protein 1 [Homo sapiens] [H.sapiens], ESTs, Moderately similar to RL13 MOUSE 60S RIBOSOMAL PROTEIN L13 [M.musculus], Homo sapiens cDNA FLJ30941 fis, clone FEBRA2007458, Human RPL13-2 pseudogene mRNA, complete cds, ribosomal protein L13



Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

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3602	20462	NM_031102	G, H, EEE, MMM	ribosomal protein L18	ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L18 [M.musculus], ribosomal protein L18
3603	16938	NM_031103	F, H, II	ribosomal protein L19	EST, Weakly similar to RL19_MOUSE 60S RIBOSOMAL PROTEIN L19 [M.musculus], ESTs, Weakly similar to RL19_HUMAN 60S RIBOSOMAL PROTEIN L1 [M.musculus], ESTs, Weakly similar to RL19_HUMAN 60S ribosomal protein L19 [R.norvegicus], ribosomal protein L19
2163	12614	A1175294	T	ribosomal protein L21	EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21_MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RL21_MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21_MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21
3750	14925	NM_053330	K, Z, AA, KK	ribosomal protein L21	EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21_MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RL21_MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21_MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21

Attorney Docket 44921-5038-01WO  
Document No. 1995828.1

TABLE 3

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3750	14926	NM_053330	V, Z, AA	ribosomal protein L21	EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21
3750	14927	NM_053330	V	ribosomal protein L21	EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21
3750	14929	NM_053330	O, P, VW	ribosomal protein L21	EST, Moderately similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Moderately similar to RL21_RAT 60S RIBOSOMAL PROTEIN L21 [R.norvegicus], EST, Weakly similar to 2113200B ribosomal protein L21 [H.sapiens], EST, Weakly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], EST, Weakly similar to RL21_HUMAN 60S RIBOSOMAL PROTEIN L21 [H.sapiens], ESTs, Highly similar to 2113200B ribosomal protein L21 [H.sapiens], ESTs, Highly similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ESTs, Moderately similar to RL21 MOUSE 60S RIBOSOMAL PROTEIN L21 [M.musculus], ribosomal protein L21

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			G, H, EEE, MMM, General Core Tox Markers, General Alternate			
4226	5667	X58200		ribosomal protein L23		Homo sapiens, clone MGC:27044 IMAGE:4793412, mRNA, complete cds, Mus musculus, Similar to 60S ribosomal protein L30 isolog, clone MGC:6735 IMAGE:3590401, mRNA, complete cds, ribosomal protein L24
145	2696	AA817997	F, G, H, FFF	ribosomal protein L24		ribosomal protein L28
3509	17729	NM_022697	F, DDD, FFF	ribosomal protein L28		EST, Moderately similar to RL29_HUMAN 60S RIBOSOMAL PROTEIN L29 [H.sapiens], EST, Moderately similar to RL29_RAT 60S RIBOSOMAL PROTEIN L29 (P23) [R.norvegicus], ESTs, Highly similar to S65784 ribosomal protein L29, cytosolic [H.sapiens], ribosomal protein L29
2429	18612	A1228624	JJ, XX, YY, HHH	ribosomal protein L29		EST, Moderately similar to RL29_HUMAN 60S RIBOSOMAL PROTEIN L29 [H.sapiens], EST, Moderately similar to RL29_RAT 60S RIBOSOMAL PROTEIN L29 (P23) [R.norvegicus], ESTs, Highly similar to S65784 ribosomal protein L29, cytosolic [H.sapiens], ribosomal protein L29
3291	5351	NM_017150	KK, FFF, HHH	ribosomal protein L29		EST, Moderately similar to RL29_HUMAN 60S RIBOSOMAL PROTEIN L29 [H.sapiens], EST, Moderately similar to RL29_RAT 60S RIBOSOMAL PROTEIN L29 (P23) [R.norvegicus], ESTs, Highly similar to S65784 ribosomal protein L29, cytosolic [H.sapiens], ribosomal protein L29
4226	18611	X58200		ribosomal protein L29		EST, Moderately similar to RL29_HUMAN 60S RIBOSOMAL PROTEIN L29 [H.sapiens], EST, Moderately similar to RL29_RAT 60S RIBOSOMAL PROTEIN L29 (P23) [R.norvegicus], ESTs, Highly similar to S65784 ribosomal protein L29, cytosolic [H.sapiens], ribosomal protein L29
3421	15335	NM_021264	GGG	ribosomal protein L35a		
535	4259	AA892123	JJ, KK, FFF, GGG	ribosomal protein L36		EST, Moderately similar to ribosomal protein L36 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 110038G14 gene, ribosomal protein L36
3999	15380	NM_139083	F	ribosomal protein L41		ESTs, Highly similar to YZA1_HUMAN HYPOTHETICAL PROTEIN [H.sapiens], ribosomal protein L41

Attorney Docket 44924-5038-01WO  
Document No. 1935823.1

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				ribosomal protein L8	EST, Highly similar to RL8_HUMAN 60S ribosomal protein L8 [R.norvegicus], EST, Weakly similar to JN0923 ribosomal protein L8, cytosolic [H.sapiens], ESTs, Highly similar to R5RTL8 ribosomal protein L8, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], ESTs, Moderately similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], expressed sequence AL024098, ribosomal protein L8
4237	15875	X62145	F		
4237	25718	X62145	G, H, JJ, HHH	ribosomal protein L8	EST, Moderately similar to S65792 ribosomal protein L9, cytosolic [H.sapiens], EST, Weakly similar to RL9_RAT 60S RIBOSOMAL PROTEIN L9 [R.norvegicus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L9 [M.musculus], RIKEN cDNA 4930401B11 gene, ribosomal protein L9
4210	18250	X51706	F, V, EEE, MMM	ribosomal protein L9	
4210	25687	X51706	H, EEE, MMM, General Alternate	ribosomal protein L9	
4215	20427	X53378	FFF, HHH, General Alternate	ribosomal protein S13	ESTs, Moderately similar to RS13_HUMAN 40S RIBOSOMAL PROTEIN S13 [H.sapiens], ribosomal protein S13
					EST, Weakly similar to JE0129 ribosomal protein S14 - mouse [M.musculus], ESTs, Highly similar to JE0129 ribosomal protein S14 - mouse [M.musculus], expressed sequence AL023078, ribosomal protein S14
3503	17567	NM_022672	III, JJJ	ribosomal protein S14	EST AI317031, EST, Weakly similar to R3HU16 ribosomal protein S16, cytosolic
4206	15626	X17665	F, H, BB, CC, EEE, MMM	ribosomal protein S16	[H.sapiens], expressed sequence AA420385, ribosomal protein S16
2272	26258	AI177501	U	ribosomal protein S17	ESTs, Weakly similar to RS17_HUMAN 40S RIBOSOMAL PROTEIN S1 [H.sapiens], ribosomal protein S17
3292	21643	NM_017152	CC, II, EEE, MMM	ribosomal protein S17	ESTs, Weakly similar to RS17_HUMAN 40S RIBOSOMAL PROTEIN S1 [H.sapiens], ribosomal protein S17

TABLE 3						
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
4211	20872	X51707	F, K, II, JJ, KK, VV, EEE, FFF, GGG, MMM, General Alternate	ribosomal protein S19	EST, Moderately similar to R3RT19 ribosomal protein S19, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to RS19_HUMAN 40S RIBOSOMAL PROTEIN S19 [H.sapiens]	
3896	10498	NM_078617	F	ribosomal protein S23	ESTs, Highly similar to 40S RIBOSOMAL PROTEIN S23 [H.sapiens], ESTs, Weakly similar to ribosomal protein S23 [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to mitochondrial ribosomal protein S12, clone MGC:13892 IMAGE:4209358, mRNA, complete cds, mitochondrial ribosomal protein S12, ribosomal protein S23	
3609	24615	NM_031112	JJ, KK, FFF	ribosomal protein S24	EST, Weakly similar to JH0213 ribosomal protein S24, cytosolic [H.sapiens], EST, Weakly similar to RS24_HUMAN 40S RIBOSOMAL PROTEIN S24 [M.musculus], ESTs, Highly similar to JH0213 ribosomal protein S24, cytosolic [H.sapiens], ribosomal protein S24	
3610	20839	NM_031113	F, II, FFF, General Alternate	ribosomal protein S27a	ESTs, Highly similar to ribosomal protein S27a [Mus musculus] [M.musculus], ESTs, Highly similar to ubiquitin / ribosomal protein S27a [H.sapiens], ESTs, Weakly similar to ribosomal protein S27a [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to ubiquitin-like 4, clone MGC:19132 IMAGE:4215699, mRNA, complete cds, neural precursor cell expressed, developmentally down-regulated 8, ribosomal protein S27a	
3161	17306	NM_012876	EE, MM, YY, TTT	ribosomal protein S29	EST, Moderately similar to RS29_HUMAN 40S RIBOSOMAL PROTEIN S29 [M.musculus], ESTs, Weakly similar to RS29_HUMAN 40S RIBOSOMAL PROTEIN S29 [H.sapiens], ribosomal protein S29	
4208	10819	X51536	H	ribosomal protein S3	EST, Moderately similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], EST, Weakly similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], ESTs, Highly similar to RS3_MOUSE 40S ribosomal protein S3 [R.norvegicus], ESTs, Moderately similar to RS3_HUMAN 40S RIBOSOMAL PROTEIN S [H.sapiens], ESTs, Weakly similar to RS3_MOUSE 40S RIBOSOMAL PROTEIN S3 [M.musculus], hypothetical protein FLJ11252, hypothetical protein FLJ23059, myo-inositol 1-phosphate synthase A1, ribosomal protein S3	

TABLE 3					Attorney Docket 44921-50338-01WO Document No. 1935323.1	
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
4208	25686	X51536	G, H, JJ, KK, GGG, HHH	ribosomal protein S3	EST, Weakly similar to JC4662 ribosomal protein S3a, cytosolic [H.sapiens], EST, Weakly similar to RS3A_MOUSE 40S RIBOSOMAL PROTEIN S3A [M.musculus], ESTs, Highly similar to RS3A_HUMAN 40S RIBOSOMAL PROTEIN S3 [H.sapiens], ribosomal protein S3A, ribosomal protein S3a	
3047	1694	M84716	F, III, JJJ, General Alternate	ribosomal protein S3A, ribosomal protein S3a		
4198	15652	X14210	BB, CC, EEE, III, JJJ, MMM	ribosomal protein S4, X-linked		
4228	10109	X58465	G, H, II, VV, DDD, EEE, FFF, GGG, III, JJJ, MMM, General Core Tox Markers	ribosomal protein S5	EST, Moderately similar to 2113200E ribosomal protein S5 [H.sapiens], EST, Weakly similar to 2113200E ribosomal protein S5 [H.sapiens], ribosomal protein S5	
4228	25702	X58465	X, Y, JJ, KK, FFF, GGG, HHH, III, JJJ, General Core Tox Markers	ribosomal protein S5	EST, Moderately similar to 2113200E ribosomal protein S5 [H.sapiens], EST, Weakly similar to 2113200E ribosomal protein S5 [H.sapiens], ribosomal protein S5	
3295	17104	NM_017160	G, H, II, JJ, KK, DDD, FFF, HHH, General Alternate	ribosomal protein S6	EST, Moderately similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], EST, Moderately similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], EST, Weakly similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], ESTs, Highly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ESTs, Weakly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ribosomal protein S6	

**TABLE 3**  
 Attorney Docket 44921-5038-01WO  
 Document No. 1935828.1

Seq. ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3295	17105	NM_017160	H, II, General Alternate	ribosomal protein S6	EST, Moderately similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], EST, Moderately similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], EST, Weakly similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], ESTs, Highly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ESTs, Weakly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ribosomal protein S6
3295	17107	NM_017160	XX, YY	ribosomal protein S6	EST, Moderately similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], EST, Moderately similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], EST, Weakly similar to R3HU6 ribosomal protein S6, cytosolic [H.sapiens], ESTs, Highly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ESTs, Weakly similar to RS6_HUMAN 40S RIBOSOMAL PROTEIN S6 [H.sapiens], ribosomal protein S6
3605	17300	NM_031107	KKK	ribosomal protein S6 kinase polypeptide 1, ribosomal protein S6 kinase, 90kD, polypeptide 1	ESTs, Highly similar to K6A1_RAT Ribosomal protein S6 kinase alpha 1 (S6K-alpha 1) (90 kDa ribosomal protein S6 kinase 1) (p90-RSK 1) (Ribosomal S6 kinase 1) (RSK-1) (pp90RSK1) [R.norvegicus], Mus musculus, clone IMAGE:3156601, mRNA, ribonuclease P1, ribosomal protein S6 kinase polypeptide 1, ribosomal protein S6 kinase, 90kD, polypeptide 1, ribosomal protein S6 kinase, 90kD, polypeptide 2, ribosomal protein S6 kinase, 90kD, polypeptide 3
3649	9620	NM_031570	KK, FFF, HHH, General Alternate	ribosomal protein S7	EST, Moderately similar to JC4388 ribosomal protein S7, cytosolic [H.sapiens], EST, Weakly similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [M.musculus], EST, Weakly similar to RS7_HUMAN 40S ribosomal protein S7 (S8) [R.norvegicus], ESTs, Highly similar to JC4388 ribosomal protein S7, cytosolic [H.sapiens], ESTs, Highly similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [H.sapiens], ESTs, Moderately similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [H.sapiens], ribosomal protein S7



Attorney Docket 44921-5038-01WO  
Document No. 1935323.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	GLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	
3649	9621	NM_031570	B, JJ, OO, HHH	ribosomal protein S7	EST, Moderately similar to JC4388 ribosomal protein S7, cytosolic [H.sapiens], EST, Weakly similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [M.musculus], EST, Weakly similar to RS7_HUMAN 40S ribosomal protein S7 (S8) [R.norvegicus], ESTs, Highly similar to JC4388 ribosomal protein S7, cytosolic [H.sapiens], ESTs, Highly similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [H.sapiens], ESTs, Moderately similar to RS7_HUMAN 40S RIBOSOMAL PROTEIN S7 [H.sapiens], ribosomal protein S7
3673	16204	NM_031706	JJ, KK, FFF, GGG, HHH, General Core Tox Markers, General Alternate	ribosomal protein S8	EST, Weakly similar to 40S RIBOSOMAL PROTEIN S8 [M.musculus], ESTs, Highly similar to S25022 ribosomal protein S8, cytosolic [H.sapiens], ESTs, Moderately similar to RS8_HUMAN 40S RIBOSOMAL PROTEIN S [H.sapiens], RIKEN cDNA 1110008P08 gene, ribosomal protein S8
3673	16205	NM_031706	V, Z, KK, GGG, HHH, General Alternate	ribosomal protein S8	EST, Weakly similar to 40S RIBOSOMAL PROTEIN S8 [M.musculus], ESTs, Highly similar to S25022 ribosomal protein S8, cytosolic [H.sapiens], ESTs, Moderately similar to RS8_HUMAN 40S RIBOSOMAL PROTEIN S [H.sapiens], RIKEN cDNA 1110008P08 gene, ribosomal protein S8
58	18061	AA799735	I, J	RuvB-like 1 (E. coli), RuvB-like protein 1	Homer, neuronal immediate early gene, 1B, homer, neuronal immediate early gene, 1
1202	1382	AB002406	UU, VV	RuvB-like 1 (E. coli), RuvB-like protein 1	Homer, neuronal immediate early gene, 1B, homer, neuronal immediate early gene, 1
4069	1471	S68809	RR	S100 calcium binding protein A1	ESTs, Weakly similar to S10A MOUSE S-100 PROTEIN, ALPHA CHAIN [M.musculus], S100 calcium binding protein A1, S100 calcium binding protein A11 (calizzarin), S100 calcium binding protein P, S100Z protein, expressed sequence A1266795



TABLE 3						
Seq ID	GLCC ID No.	GenBank Accession	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
3611	19040	NM_031114	O, VV	S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)), S100 calcium binding protein A10 (calpactin)	EST, Moderately similar to S110_RAT Calpactin I light chain (P10 protein) (P11) (Cellular ligand of annexin II) (Nerve growth factor induced protein 42C) [R.norvegicus], S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)), S100 calcium binding protein A10 (calpactin)	
3097	20589	NM_012618	O, W, VV, EEE, MMM	S100 calcium binding protein A4, S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog)	S100 calcium binding protein A2, S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog)	
3773	16394	NM_053485	O, P	S100 calcium binding protein A6 (calcyclin)		
2083	8240	A1171267	II	SAC1 (suppressor of actin mutations 1, homolog)-like (S. cerevisiae), SAC1 suppressor of actin mutations 1-like (yeast)		
3307	20779	NM_017201	I, J, HH	S-adenosylhomocysteine hydrolase	Mus musculus, S-adenosylhomocysteine hydrolase-like 1, clone MGC:18748 IMAGE:4007102, mRNA, complete cds, S-adenosylhomocysteine hydrolase, S-adenosylhomocysteine hydrolase, related sequence 3, expressed sequence AL024110	
3581	15683	NM_031011	MM, TTT	S-adenosylmethionine decarboxylase 1	S-adenosylmethionine decarboxylase 1, S-adenosylmethionine decarboxylase 2	

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935328-1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3105	16217	NM_012656	G, H, M, EE, II, LLL, SSS, UUU	secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin)	secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin)			
3105	16221	NM_012656	M, QQ	secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin)	secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin)			
4057	16223	R47128	PP, QQ	secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin)	secreted acidic cysteine rich glycoprotein, secreted protein, acidic, cysteine-rich (osteonectin)			
3164	23651	NM_012881	EEE, MMM	secreted phosphoprotein 1, secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)				
1397	17654	A1012117	LL, XX	secretogloblin, family 1A, member 1 (uteroglobin)	secretogloblin, family 1A, member 1 (uteroglobin)			

Attorney Docket 44924-5038-01WO  
Document No. 1935323.1

TABLE 3		Human Homologous Sequence Cluster Title			
Seq ID	CLGC ID No.	GenBank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1023	23919	AA956992	D	secretory carrier membrane protein 3	RIKEN cDNA 1700042D18 gene, secretory carrier membrane protein 1, secretory carrier membrane protein 2, secretory carrier membrane protein 3
2485	4280	AI230247	LL	selenoprotein P, plasma, 1	selenoprotein P, plasma, 1
3165	4282	NM_012883	R, General Alternate	selenoprotein P, plasma, 1, sulfotransferase, estrogen preferring, sulfotransferase, estrogen-preferring	selenoprotein P, plasma, 1, sulfotransferase, estrogen preferring, sulfotransferase, estrogen-preferring
3199	17894	NM_013027	A, HHH, III, JJJ, General Alternate	selenoprotein W, 1, selenoprotein W, muscle 1	ESTs, Weakly similar to SELW MOUSE SELENOPROTEIN W [M.musculus], selenoprotein W, 1, selenoprotein W, muscle 1
1357	4213	AI010453	F, S, EE, SS, NNN	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	
3477	4212	NM_022519	M, HH, SS	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	

TABLE 3					
Attorney Docket 44921-5038-01WO Document No. 1935823.1					
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3477	25681	NM_022519	SS	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antitrypsin), member 1	Homo sapiens CTCL tumor antigen se20-9 mRNA, complete cds, Ste20-related serine/threonine kinase, serine/threonine kinase 10
3371	19241	NM_019206	O	serine/threonine kinase 10	ESTs, Highly similar to SNK_RAT Serine/threonine-protein kinase SNK (Serum inducible kinase) [R.norvegicus], ESTs, Weakly similar to SNK MOUSE SERINE/THREONINE-PROTEIN KINASE SNK [M.musculus], ESTs, Weakly similar to SNK_RAT Serine/threonine-protein kinase SNK (Serum inducible kinase) [R.norvegicus], Homo sapiens cDNA FLJ30246 fis, clone BRACE2002202, weakly similar to SERINE/THREONINE-PROTEIN KINASE SNK (EC 2.7.1.-), NIMA (never in mitosis gene a)-related expressed kinase 1, NIMA (never in mitosis gene a)-related kinase 4, serum-inducible kinase
855	2655	AA943886	F, DD, PP	serum-inducible kinase	
1763	19647	AI100867	JJ, KK	SH3 and multiple ankyrin repeat domains 3, SH3/ankyrin domain gene 3	

Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

**TABLE 3**

Seq ID	GLCG ID No.	GenBank Acc. or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3148	835	NM_012813	SS	<p>sialyltransferase 8 (alpha-2, 8-sialyltransferase) A, sialyltransferase 8A (alpha-N-acetylneuraminat: alpha-2, 8-sialyltransferase, GD3 synthase)</p>	<p>ESTs, Weakly similar to A54032 alpha-N-acetylneuraminat: alpha-2, 8-sialyltransferase [H.sapiens], ESTs, Weakly similar to alpha 2, 8-sialyltransferase 8 (alpha-2, 8-sialyltransferase) E, sialyltransferase 8 (alpha-2, 8-sialyltransferase) A, sialyltransferase 8A (alpha-N-acetylneuraminat: alpha-2, 8-sialyltransferase, GD3 synthase), sialyltransferase 8E (alpha-2, 8-polysialyltransferase)</p>
4145	1286	U55938	F, UU	<p>sialyltransferase 8 (alpha-2, 8-sialyltransferase) C, sialyltransferase 8C (alpha2,3Galbeta1,4GlcNAc alpha 2, 8-sialyltransferase)</p>	
1611	3550	A1058606	I, J	<p>signal peptidase complex (18kD)</p>	
2949	3548	L11319	I, J, EEE, MMM	<p>signal peptidase complex (18kD)</p>	
2949	3549	L11319	O, HH, XX, YY, PPP, QQQ	<p>signal peptidase complex (18kD)</p>	

TABLE 3					Human Homologous Sequence Cluster Title	
Seq ID	GLC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
3306	9124	NM_017199	NN, OO, XX, YY	signal sequence receptor, delta, signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta)	EST, Moderately similar to SSRD_RAT TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR (TRAP-DELTA) (SIGNAL SEQUENCE RECEPTOR DELTA SUBUNIT) (SSR-DELTA) [R.norvegicus], EST, Weakly similar to SSRD_HUMAN TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR [H.sapiens], Mus musculus, clone IMAGE:4038523, mRNA, partial cds, signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta)	EST, Moderately similar to SSRD_RAT TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR (TRAP-DELTA) (SIGNAL SEQUENCE RECEPTOR DELTA SUBUNIT) (SSR-DELTA) [R.norvegicus], EST, Weakly similar to SSRD_HUMAN TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR [H.sapiens], Mus musculus, clone IMAGE:4038523, mRNA, partial cds, signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta)
3306	9125	NM_017199	U, NN, OO, XX, YY	signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta)	EST, Moderately similar to SSRD_RAT TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR (TRAP-DELTA) (SIGNAL SEQUENCE RECEPTOR DELTA SUBUNIT) (SSR-DELTA) [R.norvegicus], EST, Weakly similar to SSRD_HUMAN TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR [H.sapiens], Mus musculus, clone IMAGE:4038523, mRNA, partial cds, signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta)	EST, Moderately similar to SSRD_RAT TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR (TRAP-DELTA) (SIGNAL SEQUENCE RECEPTOR DELTA SUBUNIT) (SSR-DELTA) [R.norvegicus], EST, Weakly similar to SSRD_HUMAN TRANSLOCON-ASSOCIATED PROTEIN, DELTA SUBUNIT PRECURSOR [H.sapiens], Mus musculus, clone IMAGE:4038523, mRNA, partial cds, signal sequence receptor, delta, signal sequence receptor, delta (translocon-associated protein delta)
3306	9126	NM_017199	Z, AA	signal transducer and activator of transcription 5B	signal transducer and activator of transcription 5B, signal transducer and activator of transcription 6, interleukin-4 induced	signal transducer and activator of transcription 5B, signal transducer and activator of transcription 6, interleukin-4 induced
3462	1914	NM_022380	M, Z, AA			

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

**TABLE 3**

Seq. ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3639	20448	NM_031530	W, II, EEE, MMM	small inducible cytokine A2, small inducible cytokine A2 (monocyte chemotactic protein 1)	EST, Weakly similar to S07723 immediate-early serum-responsive protein JE precursor rat [R.norvegicus], expressed sequence A1323594, small inducible cytokine A2, small inducible cytokine A24, small inducible cytokine subfamily A (Cys-Cys), member 24
3639	20449	NM_031530	W, II, QQ	small inducible cytokine A2, small inducible cytokine A2 (monocyte chemotactic protein 1)	EST, Weakly similar to S07723 immediate-early serum-responsive protein JE precursor rat [R.norvegicus], expressed sequence A1323594, small inducible cytokine A2, small inducible cytokine A24, small inducible cytokine subfamily A (Cys-Cys), member 24
1064	2329	AA964157	SS	SMC (structural maintenance of chromosomes 1)-like 1 (S. cerevisiae), SMC1 structural maintenance of chromosomes 1-like 1 (yeast)	ESTs, Weakly similar to segregation of mitotic chromosomes b; SMC (segregation of mitotic chromosomes 1)-like 1 (yeast) [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to I54383 chromosome segregation protein smc1 [H.sapiens], RIKEN cDNA C030018L16 gene, SMC (structural maintenance of chromosomes 1)-like 2 (S. cerevisiae), SMC (structural maintenance of chromosomes 1)-like 1 (S. cerevisiae), SMC1 structural maintenance of chromosomes 1-like 1 (yeast), SMC4 structural maintenance of chromosomes 4-like 1 (yeast)
3260	24771	NM_017047	A, B, G, J, KK, CCC, EEE, FFF, GGG, HHH, MMM, General Core Tox Markers	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	ESTs, Weakly similar to NTCF MOUSE SODIUM/BILE ACID COTRANSPORTER [M.musculus], Mus musculus, Similar to Protein P3, clone MGC:38638 IMAGE:5355849, mRNA, complete cds, RIKEN cDNA 8430417G17 gene, solute carrier family 10 (sodium/bile acid cotransporter family), member 1

TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
				solute carrier family 12 (potassium/chloride transporters), member 4, solute carrier family 12, member 4	EST, Moderately similar to T31429 K-Cl cotransport protein KCC1, furosemide-sensitive - rat [R.norvegicus], EST, Weakly similar to T31429 K-Cl cotransport protein KCC1, furosemide-sensitive - rat [R.norvegicus], cation-chloride cotransporter-interacting protein, solute carrier family 12 (potassium/chloride transporters), member 4, solute carrier family 12 (potassium/chloride transporters), member 6, solute carrier family 12 (potassium/chloride transporters), member 8, solute carrier family 12, member 4, solute carrier family 12, member 6	
3376	16285	NM_019229	JJ, KK	solute carrier family 12 (potassium/chloride transporters), member 4, solute carrier family 12, member 4		
				solute carrier family 14 (urea transporter), member 1 (Kidd blood group), solute carrier family 14 (urea transporter), member 1		
3397	889	NM_019346	Z, AA, SS	solute carrier family 14 (urea transporter), member 2		
3398	235	NM_019347	RR	solute carrier family 16 (monocarboxylic acid transporters), member 1		
3125	20888	NM_012716	CC, BBB, CCC	solute carrier family 16 (monocarboxylic acid transporters), member 1	RIKEN cDNA 1110004H10 gene, RIKEN cDNA 1200003C15 gene, solute carrier family 16 (monocarboxylic acid transporters), member 1	
3125	20889	NM_012716	BB, CC, LL, TT	solute carrier family 16 (monocarboxylic acid transporters), member 1	RIKEN cDNA 1110004H10 gene, RIKEN cDNA 1200003C15 gene, solute carrier family 16 (monocarboxylic acid transporters), member 1	



TABLE 3					
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3333	23825	NM_017299	KK, EEE, MMM	solute carrier family 19 (folate transporter), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 3, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19, member 3	solute carrier family 19 (folate transporter), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 1, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19, member 3
3333	23826	NM_017299	D, Z, AA	solute carrier family 19 (folate transporter), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 3, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19, member 3	solute carrier family 19 (folate transporter), member 1, solute carrier family 19 (sodium/hydrogen exchanger), member 1, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19 (thiamine transporter), member 2, solute carrier family 19, member 3
3162	15872	NM_012879	U, FF, MM, NN, OO, EEE, LLL, MMM, RRR, SSS, TTT, UUU	solute carrier family 2 (facilitated glucose transporter), member 2	ESTs, Weakly similar to solute carrier family 2 (facilitated glucose transporter), member 2; liver-type glucose transporter [Mus musculus] [M.musculus], solute carrier family 2 (facilitated glucose transporter), member 2
3312	16263	NM_017223	Z, AA	solute carrier family 20 (phosphate transporter), member 1, solute carrier family 20 (phosphate transporter), member 2, solute carrier family 20, member 2	solute carrier family 20 (phosphate transporter), member 1, solute carrier family 20 (phosphate transporter), member 2, solute carrier family 20, member 1, solute carrier family 20, member 2

Attorney Docket 44921-5038-01W/O  
Document No. 1935828.1

**TABLE 3**

Seq ID	GLGC ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3384	23625	NM_019269	BBB, CCC	solute carrier family 22 (organic cation transporter), member 5	ESTs, Weakly similar to solute carrier family 22 (organic cation transporter), member 5; Lstp-like [Mus musculus] [M.musculus], ESTs, Weakly similar to OCN2 MOUSE ORGANIC CATION/CARNITINE TRANSPORTER 2 [M.musculus], Homo sapiens OAT4L mRNA for organic anion transporter 4 like protein, complete cds, Mus musculus, Similar to solute carrier family 22 (organic cation transporter)-like 2, clone MGC:25980 IMAGE:4242162, mRNA, complete cds, RIKEN cDNA 4921504E14 gene, expressed sequence A1987855, solute carrier family 22 (organic anion/cation transporter), member 11, solute carrier family 22 (organic cation transporter), member 5, solute carrier family 22 (organic cation transporter), member 9
4003	17549	NM_139100	G, H, WW, FFF, GGG, HHH, General Alternate	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3	RIKEN cDNA 3632410G24 gene, RIKEN cDNA 5730438N18 gene, expressed sequence W51672, solute carrier family 25 (mitochondrial carrier, brain), member 14, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11, solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3
3680	17554	NM_031736	U, FF, GG	solute carrier family 27 (fatty acid transporter), member 2	EST, Weakly similar to VLCS_HUMAN VERY-LONG-CHAIN ACYL-COA SYNTHETASE [H.sapiens], ESTs, Weakly similar to solute carrier family 27 (fatty acid transporter), member 2 [Rattus norvegicus] [R.norvegicus], Homo sapiens cDNA FLJ23784 fis, clone HEP21238, VLCS-H1 protein, fatty-acid-Coenzyme A ligase, very long-chain 1, hypothetical protein MGC4365, solute carrier family 27 (fatty acid transporter), member 2, solute carrier family 27 (fatty acid transporter), member 3

Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	
911	211	AA945453	General Alternate	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2
3668	20743	NM_031684	I, J, KKK, General Alternate	solute carrier family 29 (nucleoside transporters), member 1	ESTs, Weakly similar to solute carrier family 29 (nucleoside transporters), member 1 [Rattus norvegicus] [R. norvegicus], RIKEN cDNA 4933435C21 gene, solute carrier family 29 (nucleoside transporters), member 1
3681	18074	NM_031738	RR, UU	solute carrier family 29 (nucleoside transporters), member 2	
3386	20734	NM_019283	QQQ, General Core Tox Markers	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2
3386	20735	NM_019283	G, H, L, R, II, UU, KKK, OOO, General Core Tox Markers	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2
3200	18078	NM_013030	RR	solute carrier family 34 (sodium phosphate), member 1	Rattus norvegicus mRNA for Na+/Pi-cotransporter type IIc, complete cds, Rattus norvegicus mRNA for NaPi-2 alpha, complete cds, Solute carrier family 17 (sodium/hydrogen exchanger), member 2, expressed sequence A1649385, solute carrier family 34 (sodium phosphate), member 1

TABLE 3						Attorney Docket 44921-5038-01WO Document No. 1935328.1
Seq ID	CLGG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3104	16332	NM_012651	Z, AA	solute carrier family 4 (anion exchanger), member 1, solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	ESTs, Moderately similar to B3AT MOUSE BAND 3 ANION EXCHANGE PROTEIN [M.musculus], expressed sequence A1503023, solute carrier family 4 (anion exchanger), member 1, solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	
4089	313	U03120	JJ, KK	solute carrier family 5 (sodium/glucose cotransporter), member 1, solute carrier family 5, member 1	Mus musculus, Similar to solute carrier family 5 (sodium/glucose cotransporter), member 1, clone MGC:29197 IMAGE:5012356, mRNA, complete cds, RIKEN cDNA 2010013B02 gene, RIKEN cDNA 2010104G07 gene, low affinity sodium-dependent glucose cotransporter, solute carrier family 5 (sodium/glucose cotransporter), member 1, solute carrier family 5, member 1, solute carrier family 5, member 3, solute carrier family 5, member 4a	
3118	139	NM_012694	SS, UU	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3	
4143	25608	U53927	MM, SS, TTT	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	ESTs, Weakly similar to cationic amino acid transporter-2A [Rattus norvegicus] [R.norvegicus], solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	
4251	580	X68812	N	solute carrier family 8 (sodium/calcium exchanger), member 1		

TABLE 3						
Seq ID	GLCG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
1887	17171	AI105137	M, V, JJ, KK C, K, T, W, DD, EE, KKK, General Alternate	somatostatin sorbitol dehydrogenase, sorbitol dehydrogenase 1	EST, Moderately similar to GTK1_RAT Glutathione S-transferase, mitochondrial (GST 13-13) (Glutathione S-transferase subunit 13) (GST class-kappa) [R.norvegicus], EST, Weakly similar to GTK1_HUMAN GLUTATHIONE S-TRANSFERASE, MITOCHONDRIAL (GST 13-13) (GLUTATHIONE S-TRANSFERASE SUBUNIT 13) (GST CLASS-KAPPA) (HDCMD47P) [H.sapiens], RIKEN cDNA 0610025119 gene, glutathione S-transferase subunit 13 homolog, somatostatin	
1507	1876	AI030175	W, DD, EE, SS, WW, XX, YY, General Core Tox Markers	sorbitol dehydrogenase, sorbitol dehydrogenase 1	ESTs, Highly similar to A54674 L-Iditol 2-dehydrogenase [H.sapiens], sorbitol dehydrogenase, sorbitol dehydrogenase 1	
4260	1877	X74593		sorbitol dehydrogenase, sorbitol dehydrogenase 1	ESTs, Highly similar to A54674 L-Iditol 2-dehydrogenase [H.sapiens], sorbitol dehydrogenase, sorbitol dehydrogenase 1	
3381	23419	NM_019257	I, J	splicing factor, arginine/serine-rich 5, splicing factor, arginine/serine-rich 5 (SRp40, HRS)	ESTs, Weakly similar to SFR5 MOUSE SPLICING FACTOR, ARGININE/SERINE-RICH 5 [M.musculus], Mus musculus, clone MGC:36924 IMAGE:4945988, mRNA, complete cds, RIKEN cDNA 1210001E11 gene, RIKEN cDNA 6330415C05 gene, splicing factor, arginine/serine-rich 1 (splicing factor 2, alternate splicing factor), splicing factor, arginine/serine-rich 4, splicing factor, arginine/serine-rich 5, splicing factor, arginine/serine-rich 5 (SRp40, HRS)	
3284	16681	NM_017136	A, B	squalene epoxidase	Homo sapiens cDNA FLJ30795 fis, clone FEBRA2001124, squalene epoxidase	
1207	25149	AB009246	GG	stem cell growth factor, stem cell growth factor; lymphocyte secreted C-type lectin		

TABLE 3					
Seq ID	GLG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2930	20429	J05035	F, T, GG, GGG, LLL	steroid 5 alpha-reductase 1, steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	RIKEN cDNA 4930435F02 gene, steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)
2930	20430	J05035	F, T, GG, GGG, General Alternate	steroid 5 alpha-reductase 1, steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	RIKEN cDNA 4930435F02 gene, steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)
3107	21087	NM_012661	FFF	steroid sulfatase, steroid sulfatase (microsomal), arylsulfatase C, isozyme S	ESTs, Highly similar to I37186 arylsulfatase D [H.sapiens], ESTs, Weakly similar to STS MOUSE STERYL-SULFATASE PRECURSOR [M.musculus], ESTs, Weakly similar to STS_RAT STERYL-SULFATASE PRECURSOR (STERIOD SULFATASE) (STERYL-SULFATE SULFOHYDROLASE) (ARYLSULFATASE C) (ASC) [R.norvegicus], arylsulfatase E (chondrodysplasia punctata 1), arylsulfatase F, steroid sulfatase, steroid sulfatase (microsomal), arylsulfatase C, isozyme S
3973	16180	NM_138508	L, LL, DDD	sterol carrier protein 2, sterol carrier protein 2, liver	EST, Weakly similar to NLTP_HUMAN NONSPECIFIC LIPID-TRANSFER PROTEIN PRECURSOR [H.sapiens], sterol carrier protein 2, sterol carrier protein 2, liver
2062	15393	A1170663	FFF, General Alternate	sterol regulatory element binding transcription factor 2	sterol regulatory element binding factor 1, sterol regulatory element binding factor 2, sterol regulatory element binding transcription factor 2

TABLE 3

Seq. ID		CLCC ID No.	GenBank Accession RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3909	21842	NM_080886	I, J, II, XX, FFF	G, J, S, WW, OOO, PPP, QQQ, General Core Tox Markers	sterol-C4-methyl oxidase-like	cholesterol 25-hydroxylase, chromosome 5 open reading frame 4, sterol-C4-methyl oxidase-like
3444	24321	NM_022177			stromal cell derived factor 1, stromal cell-derived factor 1	
791	17514	AA925554		VV, General Alternate	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)
3921	17512	NM_130428		S, General Alternate	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)
727	22847	AA923982		BBB, CCC	succinate-CoA ligase, ADP-forming, beta subunit	succinate-CoA ligase, ADP-forming, beta subunit
3819	18174	NM_053752		BBB, CCC	succinate-CoA ligase, GDP-forming, alpha subunit	
3819	18175	NM_053752		L, U, BBB, CCC, RRR	succinate-CoA ligase, GDP-forming, alpha subunit	

Attorney Docket 44921-5038-01WO  
Document No. 1935928.1



Attorney Docket 4921-5038-01WO  
Document No. 1935828.1

TABLE 3

Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3702	4748	NM_031834	GGG, SSS	sulfotransferase family 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1	Aryl sulfotransferase cytosolic, 1A, phenol-preferring, member 3, RIKEN cDNA 1110030E23 gene, sulfotransferase family 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2
3702	4749	NM_031834	Y	sulfotransferase family 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1	Aryl sulfotransferase cytosolic, 1A, phenol-preferring, member 3, RIKEN cDNA 1110030E23 gene, sulfotransferase family 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2
3679	24810	NM_031732	A, G, II, GGG, PPP, QQQ, General Alternate	sulfotransferase family 1A, phenol-preferring, member 2, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2	Homo sapiens cDNA FLJ32344 fis, clone PROST2006450, moderately similar to N-HYDROXYARYLAMINE SULFOTRANSFERASE (EC 2.8.2.-), sulfotransferase family 1A, phenol-preferring, member 2, sulfotransferase family, cytosolic, 1C, member 2
3679	24811	NM_031732	A, B, G, S, VV, GGG, PPP, QQQ, General Core Tox Markers, General Alternate	sulfotransferase family 1A, phenol-preferring, member 2, sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2	Homo sapiens cDNA FLJ32344 fis, clone PROST2006450, moderately similar to N-HYDROXYARYLAMINE SULFOTRANSFERASE (EC 2.8.2.-), sulfotransferase family 1A, phenol-preferring, member 2, sulfotransferase family, cytosolic, 1C, member 2



Attorney Docket 44921-5058-01WO  
Document No. 1935828.1

TABLE 3

Seq ID	GLCC ID No.	GenBank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3261	20876	NM_017050	N, UUU	superoxide dismutase 1, soluble, superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	EST, Weakly similar to SODC MOUSE SUPEROXIDE DISMUTASE [M.musculus], superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))
3261	20877	NM_017050	M	superoxide dismutase 1, soluble, superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	EST, Weakly similar to SODC MOUSE SUPEROXIDE DISMUTASE [M.musculus], superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))
2703	21414	A1235842	W, NN	superoxide dismutase 2, mitochondrial	
3262	682	NM_017051	EEE, MMM	superoxide dismutase 2, mitochondrial	
3163	494	NM_012880	General Alternate	superoxide dismutase 3, extracellular	superoxide dismutase 3, extracellular EST, Weakly similar to A35363 synapsin I splice form a [H.sapiens], ESTs, Weakly similar to A30411 synapsin Ia - rat [R.norvegicus], ESTs, Weakly similar to IRX2_HUMAN IROQUOIS-CLASS HOMEODOMAIN PROTEIN IRX-2 [H.sapiens], ESTs, Weakly similar to SYN1 MOUSE SYNAPSIN I [M.musculus], Mus musculus, clone IMAGE:3992752, mRNA, partial cds, PRO0149 protein, RIKEN cDNA 5830475F03 gene, 1810026J23 gene, RIKEN cDNA 4933428P19 gene, RIKEN cDNA 5830475F03 gene, guanine nucleotide binding protein (G protein), beta polypeptide 1-like, haspin, hypothetical protein BC007540, hypothetical protein BC011833, synapsin I
3354	24785	NM_019133	SS	synapsin I	
3198	1588	NM_013026	T, U, LLL, SSS	syndecan 1	

TABLE 3					Human Homologous Sequence Cluster Title	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name		
3103	9423	NM_012649	I, J, L, U, W, EE, NNN, OOO, General Alternate	syndecan 4, syndecan 4 (amphiglycan, ryudocan)	syndecan 4, syndecan 4 (amphiglycan, ryudocan)	
3103	9424	NM_012649	C, L, W, DD, WW, NNN	syndecan 4, syndecan 4 (amphiglycan, ryudocan)	syndecan 4, syndecan 4 (amphiglycan, ryudocan)	
3442	20187	NM_021869	M	syntaxin 7	Homo sapiens cDNA FLJ31164 fis, clone KIDNE1000104, weakly similar to SYNTAXIN 7, expressed sequence AI317144, expressed sequence AU041521, syntaxin 12, syntaxin 7	
3665	9428	NM_031656	RR	syntaxin 8	ESTs, Weakly similar to S58222 PQ-rich protein [H.sapiens], T-cell death associated gene, pleckstrin homology-like domain, family A, member 1, pleckstrin homology-like domain, family A, member 3, tumor suppressing subtransferable candidate 3, tumor suppressing subchromosomal transferable fragment 3	
3301	19031	NM_017180	Q, R	member 1	EST, Moderately similar to S10486 t-complex-type molecular chaperone TCP1 [H.sapiens], ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 7 (eta), t-complex protein 1	
408	18578	AA859980	L, FF	t-complex 1, t-complex protein 1	EST, Moderately similar to S10486 t-complex-type molecular chaperone TCP1 [H.sapiens], ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 7 (eta), t-complex protein 1	
2917	26368	H34047	E	t-complex 1, t-complex protein 1		

TABLE 3						
Seq ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
3624	15662	NM_031318	P, ZZ, AAA	t-complex testis expressed 1, t-complex-associated-testis-expressed 1-like 1	Homo sapiens, Similar to RIKEN cDNA 0610012D17 gene, clone MGC:33212 IMAGE:4830500, mRNA, complete cds, RIKEN cDNA 2310075M16 gene, t-complex testis expressed 1, t-complex-associated-testis-expressed 1-like, t-complex-associated-testis-expressed 1-like 1	
3408	24626	NM_019381	HHH, PPP, QQQ	testis enhanced gene transcript, testis enhanced gene transcript (BAX inhibitor 1)	RIKEN cDNA 2900002L20 gene, RIKEN cDNA 4930500J03 gene, RIKEN cDNA 5031406P05 gene, testis enhanced gene transcript (BAX inhibitor 1)	
3657	24234	NM_031614	G, H, Q, II	thioredoxin reductase 1	thioredoxin reductase 1, thioredoxin reductase 2	
3657	24235	NM_031614	Q, HH, ZZ, AAA, HHH	thioredoxin reductase 1	thioredoxin reductase 1, thioredoxin reductase 2	
3491	21076	NM_022584	QQ	thioredoxin reductase 2	thioredoxin reductase 2	
3730	17474	NM_032614	F	thioredoxin-like 2	thioredoxin-like 2	
3730	17475	NM_032614	F	thioredoxin-like 2	thioredoxin-like 2	
4221	21122	X56228	R, DDD, PPP, QQQ	thiosulfate sulfurtransferase (rhodanese), thiosulfate sulfurtransferase, mitochondrial	mercaptopyruvate sulfurtransferase, thiosulfate sulfurtransferase (rhodanese), thiosulfate sulfurtransferase, mitochondrial	

TABLE 3					
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				thiosulfate sulfotransferase (rhodanese), thiosulfate sulfotransferase, mitochondrial	
4221	21123	X56228	Q, R, SS, DDD, PPP, QQQ, General Alternate		mercaptopyruvate sulfotransferase, thiosulfate sulfotransferase (rhodanese), thiosulfate sulfotransferase, mitochondrial
742	17116	AA924339	X, Y	Thy-1 cell surface antigen, thymus cell antigen 1, theta	Thy-1 cell surface antigen, thymus cell antigen 1, theta
3111	17117	NM_012673	K	Thy-1 cell surface antigen, thymus cell antigen 1, theta	Thy-1 cell surface antigen, thymus cell antigen 1, theta
3166	16871	NM_012887	T, EE, KKK, NNIN	thymopoietin	ESTs, Highly similar to THPA_HUMAN THYMOPOIETIN ALPHA [H.sapiens], RIKEN cDNA 5630400D24 gene, thymopoietin
3420	20816	NM_021261	O, P, NN, OO	thymosin, beta 10	
				thyroid stimulating hormone receptor, hormone receptor, thyroid stimulating hormone, receptor	
3167	24857	NM_012888	RR, SS		thyroid stimulating hormone receptor, thyroid stimulating hormone, receptor
				tight junction protein 2, tight junction protein 2 (zona occludens 2)	EST, Moderately similar to DLG2_RAT Channel associated protein of synapse-110 (Chapsyn-110) (Synaptic density protein PSD-93) (Discs, large homolog of [R.norvegicus], ESTs, Highly similar to DLG2_RAT Channel associated protein of synapse-110 (Chapsyn-110) (Synaptic density protein PSD-93) (Discs, large homolog of [R.norvegicus], ESTs, Weakly similar to SP02 MOUSE PRESYNAPTIC PROTEIN SAP102 [M.musculus], discs, large homolog 2 (Drosophila), discs, large homolog 2, chapsyn-110 (Drosophila), tight junction protein 2
4168	1279	U75916	A	tissue inhibitor of metalloproteinase 2	Homo sapiens mRNA; cDNA DKFZp761A0617 (from clone DKFZp761A0617), tissue inhibitor of metalloproteinase 2
3443	243	NM_021989	EE		

Attorney Docket 44924-5038-01WO  
- Document No. 1935328.1

**TABLE 3**

Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1814	17234	AI102741	RR	tissue inhibitor of metalloproteinase 3, metalloproteinase 3, tissue inhibitor of metalloproteinase 3 (Sorsby dystrophy, pseudoinflammatory)	tissue inhibitor of metalloproteinase 3, tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)
3203	2667	NM_013048	F, T, LL, RR, EEE, MMM, General Alternate	tocopherol (alpha) transfer protein, tocopherol (alpha) transfer protein (ataxia (Friedreich-like) with vitamin E deficiency)	
699	23778	AA899854	U	topoisomerase (DNA) II alpha, topoisomerase (DNA) II alpha (170kD)	ESTs, Moderately similar to A40493 DNA topoisomerase [H.sapiens], ESTs, Weakly similar to topoisomerase (DNA) II alpha [Rattus norvegicus] [R.norvegicus], topoisomerase (DNA) II alpha, topoisomerase (DNA) II beta
3446	23782	NM_022183	WW	topoisomerase (DNA) II alpha, topoisomerase (DNA) II alpha (170kD)	ESTs, Moderately similar to A40493 DNA topoisomerase [H.sapiens], ESTs, Weakly similar to topoisomerase (DNA) II alpha [Rattus norvegicus] [R.norvegicus], topoisomerase (DNA) II alpha, topoisomerase (DNA) II beta
3110	24427	NM_012669	UU	transcription factor 1, transcription factor 1, hepatic; LF-B1, hepatic nuclear factor (HNF1), albumin proximal factor	Homo sapiens, Similar to hypothetical protein FLJ21616, clone MGC:14941 IMAGE:3947903, mRNA, complete cds, Mus musculus, clone IMAGE:3490304, mRNA, partial cds, hypothetical protein FLJ21616, transcription factor 1, transcription factor 1, hepatic; LF-B1, hepatic nuclear factor (HNF1), albumin proximal factor

Attorney Docket 44921-5038-01W9  
Document No. 1935328.1

**TABLE 3**

Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3263	14533	NM_017055	S, V, NNN	transferrin	ESTs, Weakly similar to TRFL MOUSE LACTOTRANSFERRIN PRECURSOR [M.musculus], RIKEN cDNA 1300017J02 gene, Rattus norvegicus Nclone10 mRNA, transferrin
3263	14534	NM_017055	S, TT, NNN	transferrin	ESTs, Weakly similar to TRFL MOUSE LACTOTRANSFERRIN PRECURSOR [M.musculus], RIKEN cDNA 1300017J02 gene, Rattus norvegicus Nclone10 mRNA, transferrin
4117	14535	U31866	J, S	transferrin	ESTs, Weakly similar to TRFL MOUSE LACTOTRANSFERRIN PRECURSOR [M.musculus], RIKEN cDNA 1300017J02 gene, Rattus norvegicus Nclone10 mRNA, Transferrin, transferrin
3576	17377	NM_030989	CC, NN, OO	transformation related protein 53, tumor protein p53 (Li-Fraumeni syndrome)	transformation related protein 73, tumor protein p53 (Li-Fraumeni syndrome)
903	4185	AA945169	V, EE, HH, TT	transferrin, transferrin (prealbumin, amyloidosis type I)	expressed sequence AA408768, transferrin, transferrin (prealbumin, amyloidosis type I)
903	4186	AA945169	HH, TT	transferrin, transferrin (prealbumin, amyloidosis type I)	expressed sequence AA408768, transferrin, transferrin (prealbumin, amyloidosis type I)
1870	18277	A1104399	T, HHH	transferrin, transferrin (prealbumin, amyloidosis type I)	EST, Highly similar to TPIS MOUSE TRIOSEPHOSPHATE ISOMERASE [M.musculus], ESTs, Highly similar to TPIS_HUMAN TRIOSEPHOSPHATE ISOMERASE [H.sapiens], Rattus norvegicus resection-induced TP1 (rs11) mRNA, complete cds, triosephosphate isomerase, triosephosphate isomerase 1
3031	457	M60666	VV	tropomyosin 1 (alpha), tropomyosin 1, alpha	Homo sapiens cDNA FLJ30635 fis, clone CTONG2002520, expressed sequence A1854628, expressed sequence C76867, tropomyosin 4, tuffelin 1

Attorney Docket 44921-5038-01WO  
Document No. 1938828.1

TABLE 3

Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3352	455	NM_019131	H, VV	tropomyosin 1 (alpha), tropomyosin 1, alpha	Homo sapiens cDNA FLJ30635 fis, clone CTONG2002520, expressed sequence A1854628, expressed sequence C76867, tropomyosin 4, tuftelin 1
3288	20859	NM_017144	D, U, BBB, CCC, RRR, SSS	troponin I, cardiac	
901	402	AA945143	C, E, DD, SS, WW, KKK, NNN	tryptophan 2,3-dioxygenase	tryptophan 2,3-dioxygenase DKFZp566D133 protein, EST, Moderately similar to TSC2_HUMAN TUBERIN [H.sapiens], Homo sapiens cDNA FLJ12339 fis, clone MAMMA1002250, KIAA1272 protein, tuberous sclerosis 2
3114	20776	NM_012680	XX, YY	tuberous sclerosis 2	ESTs, Weakly similar to S12783 OX40 antigen precursor - rat [R.norvegicus], lymphotoxin B receptor, tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator), tumor necrosis factor receptor superfamily, member 19, tumor necrosis factor receptor superfamily, member 4, tumor necrosis factor receptor superfamily, member 7
3204	20535	NM_013049	I, J	tumor necrosis factor receptor superfamily, member 4	EST, Moderately similar to S06590 IgE-dependent histamine-releasing factor [H.sapiens], EST, Weakly similar to TCTP MOUSE TRANSLATIONALLY CONTROLLED TUMOR PROTEIN [M.musculus], ESTs, Highly similar to S06590 IgE-dependent histamine-releasing factor [H.sapiens], ESTs, Moderately similar to TCTP_MOUSE Translationally controlled tumor protein (TCTP) (p23) (21 kDa polypeptide) (p21) (Lens epithelial protein) [R.norvegicus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 926491, apoptosis inhibitor, tumor protein, translationally-controlled 1
3845	17728	NM_053867	FF	tumor protein, translationally-controlled 1	



Attorney Docket 44921-5033-01WO  
Document No. 1935328.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	
3656	19340	NM_031603	HH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	ESTs, Highly similar to I38947 14-3-3 protein epsilon isoform [H.sapiens], tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide
3205	16683	NM_013052	W, SS, HHH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	ESTs, Highly similar to 143F MOUSE 14-3-3 PROTEIN ETA [M.musculus], tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide, tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
3205	16684	NM_013052	W, JJ, GGG, HHH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	ESTs, Highly similar to 143F MOUSE 14-3-3 PROTEIN ETA [M.musculus], tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide, tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
818	3817	AA926328	W	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	ESTs, Highly similar to A Chain A, 14-3-3 ZetaPHOSHOPEPTIDE COMPLEX [H.sapiens], tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide

Attorney Docket 44921-5038-01WO  
Document No. 1933828.1

TABLE 3					
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3195	3404	NM_013011	A, B, P, VV	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	ESTs, Highly similar to A Chain A, 14-3-3 ZetaPHOSPHOPEPTIDE COMPLEX [H.sapiens], tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
3195	25279	NM_013011	O, P, R, VV	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	ESTs, Highly similar to A Chain A, 14-3-3 ZetaPHOSPHOPEPTIDE COMPLEX [H.sapiens], tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
3109	24825	NM_012668	C, D, I, J, NNN	tyrosine aminotransferase	ESTs, Highly similar to S60718 tat protein [H.sapiens], Homo sapiens, Similar to tyrosine aminotransferase, clone MGC:22474 IMAGE:4710626, mRNA, complete cds, Mus musculus, Similar to Tyrosine aminotransferase, clone MGC:37790 IMAGE:5097591, mRNA, complete cds, tyrosine aminotransferase
3818	15376	NM_053747	Q, R, T	ubiquitin 1	ESTs, Highly similar to ataxin-1 ubiquitin-like interacting protein; A1U protein; chromosome 1 open reading frame 6 [Homo sapiens] [H.sapiens], RIKEN cDNA 1110046H03 gene, ataxin-1 ubiquitin-like interacting protein, ubiquitin 1, ubiquitin 2
1266	22056	AI008066	F	ubiquinol-cytochrome c reductase hinge protein	ubiquinol-cytochrome c reductase hinge protein

Attorney Docket 44921-5038-01WO  
Document No. 193628.1

Human Homologous Sequence Cluster Title

Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3669	19727	NM_031687	N	ubiquitin A-52 residue ribosomal protein fusion product 1	EST, Highly similar to S66575 ubiquitin / ribosomal protein CEP52 - rat (fragment) [R. norvegicus], EST, Moderately similar to ubiquitin A-52 residue ribosomal protein fusion product 1; ubiquitin/60S ribosomal fusion protein [Mus musculus] [M.musculus], ESTs, Moderately similar to ubiquitin A-52 residue ribosomal protein fusion product 1; ubiquitin/60S ribosomal fusion protein [Mus musculus] [M.musculus], ESTs, Weakly similar to UQHUR ubiquitin / ribosomal protein CEP52 [H.sapiens], Neural precursor cell expressed, developmentally down-regulated gene 8, Rattus norvegicus RSD-7 mRNA, complete cds, neural precursor cell expressed, developmentally down-regulated gene 8, ubiquitin A-52 residue ribosomal protein fusion product 1
3879	15124	NM_057105	J, K, L, N, S, U, FF, GG, HH, TT, LLL, UUU	UDP glycosyltransferase 1 family, polypeptide A cluster, UDP glycosyltransferase 1 family, polypeptide A6, UDP-glucuronosyltransferase 1 family, member 1	UDP glycosyltransferase 1 family, polypeptide A6, UDP glycosyltransferase 1 family, polypeptide A8
3879	15126	NM_057105	I, J, K, L, M, N, U, X, Y, GG, HH, LLL, SSS, UUU	UDP glycosyltransferase 1 family, polypeptide A cluster, UDP glycosyltransferase 1 family, polypeptide A6, UDP-glucuronosyltransferase 1 family, member 1	UDP glycosyltransferase 1 family, polypeptide A6, UDP glycosyltransferase 1 family, polypeptide A8

TABLE 3					
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
				UDP glycosyltransferase 1 family, polypeptide A cluster, UDP glycosyltransferase 1 family, polypeptide A6, UDP-glucuronosyltransferase 1 family, member 1	UDP glycosyltransferase 1 family, polypeptide A6, UDP glycosyltransferase 1 family, polypeptide A8
3879	15127	NM_057105	I, J, K, L, M, S, U, X, GG, HH, TT, LLL, SSS, UUU		
3879	5492	NM_057105	G, K, GG, HH, WW, DDD	UDP glycosyltransferase 1 family, polypeptide A6	UDP glycosyltransferase 1 family, polypeptide A6
3879	5493	NM_057105	G, K, GG, HH, TT, WW, DDD	UDP glycosyltransferase 1 family, polypeptide A6	UDP glycosyltransferase 1 family, polypeptide A6
3879	15125	NM_057105	K, L, M, N, U, FF, GG, PP, QQ, TT, LLL, SSS, UUU	UDP glycosyltransferase 1 family, polypeptide A6	UDP glycosyltransferase 1 family, polypeptide A8
2066	17027	A170679	BBB, CCC, RRR	UDP-glucose pyrophosphorylase 2	UDP-glucose pyrophosphorylase 2
3823	7927	NM_053765	I, U, X, Y, DDD, LLL	UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase	UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase

Attorney Docket 44921-5038-01WO  
Document No. 1933828.1

**TABLE 3**

Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
4115	317	U29339	RR, XX, YY	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ESTs, Weakly similar to A53183 epidermal growth factor receptor precursor - mouse [M.musculus], Homo sapiens clone R2 ErbB-3 R2 (c-erbB-3) mRNA, partial cds, Mus musculus, clone MGC:38648 IMAGE:5356166, mRNA, complete cds, v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
2452	16203	AI229196	N	vesicle-associated membrane protein 1, vesicle-associated membrane protein 1 (synaptobrevin 1), vesicle-associated membrane protein 2, vesicle-associated membrane protein 2 (synaptobrevin 2)	vesicle-associated membrane protein 1, vesicle-associated membrane protein 2, vesicle-associated membrane protein 4
3108	16198	NM_012663	BB, CC	vesicle-associated membrane protein 2, vesicle-associated membrane protein 2 (synaptobrevin 2)	
3108	16199	NM_012663	Z, AA	vesicle-associated membrane protein 2, vesicle-associated membrane protein 2 (synaptobrevin 2)	

Attorney Docket 44921-5038-01WO  
Document No. 193828.1

**TABLE 3**

Seq ID	GLGC ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3874	23250	NM_057097	ZZ, AAA	vesicle-associated membrane protein 3, vesicle-associated membrane protein 3 (cellubrevin)	ESTs, Weakly similar to vesicle-associated membrane protein 3 [Rattus norvegicus] [R. norvegicus], vesicle-associated membrane protein 3, vesicle-associated membrane protein 3 (cellubrevin), vesicle-associated membrane protein 4
3361	24362	NM_019156	M, N, SS	vitronectin, vitronectin (serum spreading factor, somatomedin B, complement S-protein)	
4101	1424	U14746	W	von Hippel-Lindau syndrome, von Hippel-Lindau syndrome homolog	von Hippel-Lindau syndrome, von Hippel-Lindau syndrome homolog
3100	20798	NM_012639	V, X, Y	v-raf-1 leukemia viral oncogene 1, v-raf-1 murine leukemia viral oncogene homolog 1	ESTs, Highly similar to B-raf oncogene [M. musculus], Mouse B-raf oncogene mRNA, complete cds, RIKEN cDNA 4921513O20 gene, v-raf murine sarcoma viral oncogene homolog B1, v-raf-1 leukemia viral oncogene 1, v-raf-1 murine leukemia viral oncogene homolog 1
3100	20799	NM_012639	I	v-raf-1 leukemia viral oncogene 1, v-raf-1 murine leukemia viral oncogene homolog 1	ESTs, Highly similar to B-raf oncogene [M. musculus], Mouse B-raf oncogene mRNA, complete cds, RIKEN cDNA 4921513O20 gene, v-raf murine sarcoma viral oncogene homolog B1, v-raf-1 leukemia viral oncogene 1, v-raf-1 murine leukemia viral oncogene homolog 1
3760	17252	NM_053402	O, P, PP, QQ	wingless-related MMTV integration site 4, wingless-type MMTV integration site family, member 4	wingless-related MMTV integration site 3, wingless-related MMTV integration site 3A, wingless-related MMTV integration site 4, wingless-related MMTV integration site 7B, wingless-type MMTV integration site family, member 3A, wingless-type MMTV integration site family, member 7B

TABLE 3						
Seq. ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
3293	21975	NM_017154	E, FF, LLL, RRR, SSS, UUU, General Alternate	xanthene dehydrogenase, xanthine dehydrogenase	ESTs, Weakly similar to S10471 cMG1 protein - rat [R.norvegicus], zinc finger protein 36, C3H type-like 1, zinc finger protein 36, C3H type-like 2	ESTs, Weakly similar to S10471 cMG1 protein - rat [R.norvegicus], zinc finger protein 36, C3H type-like 1, zinc finger protein 36, C3H type-like 2
1939	20920	AI136891	W	zinc finger protein 36, C3H type-like 1	ESTs, Weakly similar to S10471 cMG1 protein - rat [R.norvegicus], zinc finger protein 36, C3H type-like 1, zinc finger protein 36, C3H type-like 2	ESTs, Weakly similar to S10471 cMG1 protein - rat [R.norvegicus], zinc finger protein 36, C3H type-like 1, zinc finger protein 36, C3H type-like 2
3300	20919	NM_017172	L	zinc finger protein 36, C3H type-like 1	2,4-dienoyl CoA reductase 1, mitochondrial, 2,4-dienoyl CoA reductase 2, peroxisomal, 2,4-dienoyl-Coenzyme A reductase 2, peroxisomal, RIKEN cDNA 5430405K24 gene, putative peroxisomal 2,4-dienoyl-CoA reductase	2,4-dienoyl CoA reductase 1, mitochondrial, 2,4-dienoyl CoA reductase 2, peroxisomal, 2,4-dienoyl-Coenzyme A reductase 2, peroxisomal, RIKEN cDNA 5430405K24 gene, putative peroxisomal 2,4-dienoyl-CoA reductase
1830	3279	AI103224	U, LL, RRR, SSS, UUU		20 alpha-hydroxysteroid dehydrogenase, ESTs, Weakly similar to DHBX MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE, A-SPECIFIC [M.musculus], aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III), aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II), aldo-keto reductase family 1, member C4 (chlorocone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4), expressed sequence AW146047	20 alpha-hydroxysteroid dehydrogenase, ESTs, Weakly similar to DHBX MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE, A-SPECIFIC [M.musculus], aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III), aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II), aldo-keto reductase family 1, member C4 (chlorocone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4), expressed sequence AW146047
414	4462	AA866264	General Alternate			
3450	20299	NM_022220	A, B, Y, FFF, GGG, HHH, LLL, PPP, QQQ, General Core Tox Markers		24-dehydrocholesterol reductase, Mus musculus, clone MGC:29968 IMAGE:5123684, mRNA, complete cds	24-dehydrocholesterol reductase, Mus musculus, clone MGC:29968 IMAGE:5123684, mRNA, complete cds
2833	23220	AJ000347	V, X, Y, HH, JJ, SS, ZZ, AAA, HHH		3'(2'), 5'-bisphosphate nucleotidase 1, ESTs, Moderately similar to INPP MOUSE INOSITOL POLYPHOSPHATE 1-PHOSPHATASE [M.musculus], bisphosphate 3'-nucleotidase 1, hypothetical protein FLJ20421, inositol polyphosphate-1-phosphatase	3'(2'), 5'-bisphosphate nucleotidase 1, ESTs, Moderately similar to INPP MOUSE INOSITOL POLYPHOSPHATE 1-PHOSPHATASE [M.musculus], bisphosphate 3'-nucleotidase 1, hypothetical protein FLJ20421, inositol polyphosphate-1-phosphatase



Attorney Docket 44921-5038-01WO  
Document No. 1995828.1

TABLE 3					
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2574	15582	A1232320	U, FF, PP, QQ		3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2, 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)
3014	15579	M33648	Y, FF, RRR, SSS		3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2, 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)
3014	15580	M33648	U, FF		3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2, 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)
3867	17739	NM_053995	General Alternate		3-hydroxybutyrate dehydrogenase (heart, mitochondrial), ESTs, Weakly similar to BDH_RAT D-beta-hydroxybutyrate dehydrogenase, mitochondrial precursor (BDH) (3-hydroxybutyrate dehydrogenase) [R.norvegicus], RIKEN cDNA 0610039E24 gene, RIKEN cDNA 2310032J20 gene, retinol dehydrogenase 7, retinol dehydrogenase type 5
1459	21950	A1013861	G, General Alternate		3-hydroxyisobutyrate dehydrogenase, ESTs, Highly similar to D3H1_HUMAN 3-HYDROXYISOBUTYRATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR (HIBADH) [H.sapiens], RIKEN cDNA 3930401K13 gene
592	22537	AA892799	S		3-phosphoglycerate dehydrogenase, EST, Moderately similar to SERA MOUSE D-3-PHOSPHOGLYCERATE DEHYDROGENASE [M.musculus], Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930404C15:3-phosphoglycerate dehydrogenase, full insert sequence, glyoxylate reductase/hydroxypyruvate reductase, phosphoglycerate dehydrogenase
592	22538	AA892799	M		3-phosphoglycerate dehydrogenase, EST, Moderately similar to SERA MOUSE D-3-PHOSPHOGLYCERATE DEHYDROGENASE [M.musculus], Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930404C15:3-phosphoglycerate dehydrogenase, full insert sequence, glyoxylate reductase/hydroxypyruvate reductase, phosphoglycerate dehydrogenase
2557	22542	A1232066	QQ, XX, YY		3-phosphoglycerate dehydrogenase, EST, Moderately similar to SERA MOUSE D-3-PHOSPHOGLYCERATE DEHYDROGENASE [M.musculus], Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930404C15:3-phosphoglycerate dehydrogenase, full insert sequence, glyoxylate reductase/hydroxypyruvate reductase, phosphoglycerate dehydrogenase

Attorney Docket 44921-5088-01WO  
Document No. 1935828.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	GLGC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	
2877	134	D87839	A, B, III, JJJ, OOO, General Core Tox Markers		4-aminobutyrate aminotransferase, RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase
2877	135	D87839	B, J, OO, RRR		4-aminobutyrate aminotransferase, RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase
1863	3259	A1104245	SS, TT		5'-nucleotidase, cytosolic IB, Homo sapiens, clone IMAGE:3140944, mRNA, partial cds, Homo sapiens, similar to unnamed protein product, clone MGC:34672 IMAGE:5199154, mRNA, complete cds, PAN2 protein, hypothetical protein BC009881
3848	15934	NM_053904	W		5-oxoprolinase (ATP-hydrolysing), RIKEN cDNA 1700010G02 gene
3465	12082	NM_022389	KKK, NNN, General Alternate		7-dehydrocholesterol reductase, expressed sequence A1505894
3465	12083	NM_022389	KKK, NNN, General Alternate		7-dehydrocholesterol reductase, expressed sequence A1505894
3419	13486	NM_020306	O, P		a disintegrin and metalloproteinase domain 17, a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)
3985	5719	NM_138871	DD, EE		A kinase (PRKA) anchor protein 1, Mus musculus, clone IMAGE:4512174, mRNA, partial cds, tudor and KH domain-containing protein, tudor domain containing 1, tudor repeat associator with PCTAIRE 2
4086	347	U01914	Q, WW		A kinase (PRKA) anchor protein 8, ESTs, Weakly similar to A53414 A-kinase anchor protein 95, AKAP95 - rat [R.norvegicus], Mus musculus 10 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2610301A12:neighbor of A-kinase anchoring protein 95, full insert sequence, expressed sequence A1467606, neighbor of A-kinase anchoring protein 95, zinc finger protein 326

Attorney Docket 44921-5038-01 WO  
Document No. 1935828.1

TABLE 3

Seq ID	CLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Info
1279	4098	AI008642	VV		Acid nuclear phosphoprotein 32 (leucine rich), ESTs, Weakly similar to LANP_RAT
3358	17304	NM_019144	GG		Leucine-rich acidic nuclear protein [R.norvegicus], acidic (leucine-rich) nuclear phosphoprotein 32 family, member A, acidic nuclear phosphoprotein 32, cerebellar ataxia 3, hypothetical gene MGC16309
3340	17516	NM_017321	RRR, SSS		acid phosphatase 5, tartrate resistant
1678	22684	AI070323	VV		aconitase 1, aconitase 1, soluble
3682	20724	NM_031753	RRR, SSS		actin related protein 2/3 complex, subunit 2 (34 kD)
			XX, YY, ZZ, AAA, LLL, RRR, SSS		activated leucocyte cell adhesion molecule, activated leukocyte cell adhesion molecule
					Acyl-CoA dehydrogenase, Very long chain, EST, Moderately similar to ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC [M.musculus], EST, Weakly similar to ACDV_RAT Acyl-CoA dehydrogenase, very-long-chain specific, mitochondrial precursor (VLCAD) [R.norvegicus], EST, Weakly similar to S54183 acyl-CoA dehydrogenase [H.sapiens], RIKEN cDNA 2600017P15 gene, acyl-Coenzyme A dehydrogenase, very long chain
2315	3968	AI178764	RR, SS		acyl-Coenzyme A oxidase 2, branched chain
4280	853	X95189	M, XX, YY		
687	4636	AA899491	NN, OO, EEE, MMM		adaptor-related protein complex 1, mu 1 subunit
277	23981	AA850040	O, P		adenyl cyclase-associated CAP protein homolog 1 (S. cerevisiae, S. pombe), adenyl cyclase-associated protein
					ADP-ribosylation factor 1, ADP-ribosylation factor-like 5, EST, Weakly similar to ADP-ribosylation factor-like 5 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to ADP-RIBOSYLATION FACTOR 1 [M.musculus], Homo sapiens, similar to ADP-ribosylation factor-like 5, clone MGC:22841 IMAGE:3931095, mRNA, complete cds, expressed sequence T25534
3861	15324	NM_053979	R		ADP-ribosylation factor 1, ADP-ribosylation-like 6, ESTs, Weakly similar to ADP-RIBOSYLATION FACTOR 1 [M.musculus], expressed sequence T25534
2950	4144	L12380	PP, QQ, TT		

Attorney Docket 449241-5038-01WO  
Document No. 1935828.1

**TABLE 3**

Seq ID	GLG ID No.	GenBank Accession RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3539	17517	NM_024151	LL, UU		ADP-ribosylation factor 4
					ADP-ribosylation factor 5, ESTs, Moderately similar to ADP-RIBOSYLATION FACTOR 5 [M.musculus], ESTs, Weakly similar to A54022 ADP-ribosylation factor-like 1 - rat [R.norvegicus]
3538	15367	NM_024149	X, Y		ADP-ribosylation factor 6, ESTs, Moderately similar to S39543 GTP-binding protein - mouse [M.musculus], ESTs, Weakly similar to ARF6_HUMAN ADP-ribosylation factor 6 [R.norvegicus], GTP-binding protein Sara, RIKEN cDNA 2310075M17 gene, SAR1 protein, SAR1a gene homolog (S. cerevisiae), hypothetical protein FLJ22595
1893	17770	AI105294	LL		ADP-ribosylation factor 6, ESTs, Weakly similar to ARF6_HUMAN ADP-RIBOSYLATION FACTOR 6 [M.musculus], ESTs, Weakly similar to ARF6_HUMAN ADP-ribosylation factor 6 [R.norvegicus], RIKEN cDNA 1110033P22 gene, RIKEN cDNA 2310075M17 gene, RIKEN cDNA 9130014L17 gene, SAR1 protein, SAR1a gene homolog (S. cerevisiae), hypothetical protein FLJ22595
3540	21696	NM_024152	O, P, Q, R		ADP-ribosylation factor-like 1, ESTs, Weakly similar to A54022 ADP-ribosylation factor-like 1 - rat [R.norvegicus], RIKEN cDNA 2310008D22 gene
448	15933	AA875253	PP, QQ		ADP-ribosylation factor-like 1, ESTs, Weakly similar to A54022 ADP-ribosylation factor-like 1 - rat [R.norvegicus], RIKEN cDNA 2310008D22 gene
3464	15931	NM_022385	T		AFG3 ATPase family gene 3-like 1 (yeast), BCS1-like (yeast), EST, Weakly similar to PRS4_HUMAN 26S protease regulatory subunit 4 (P26S4) [M.musculus], ESTs, Highly similar to PRS4_HUMAN 26S protease regulatory subunit 4 (P26S4) [H.sapiens], Homo sapiens cDNA FLJ31926 fis, clone NT2RP7005502, moderately similar to Homo sapiens mRNA for paraplegin-like protein, protease (prosome, macropain) 26S subunit, ATPase 1, proteasome (prosome, macropain) 26S subunit, ATPase, 1
2870	727	D50696	Y, CCC, PPP, QQQ		aldehyde dehydrogenase 3 family, member B1, aldehyde dehydrogenase 3 family, member B2, aldehyde dehydrogenase 3 family, member A1, aldehyde dehydrogenase family 3, subfamily A1
3714	24644	NM_031972	GG		

Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					Aldehyde reductase 1 (low Km aldehyde reductase) (5.8 kb PstI fragment, probably the functional gene), EST, Weakly similar to A39763 aldehyde reductase [H.sapiens], ESTs, Moderately similar to ALDR_RAT Aldehyde reductase (AR) (Aldehyde reductase) [R.norvegicus], ESTs, Weakly similar to ALDR_RAT Aldehyde reductase (AR) (Aldehyde reductase) [R.norvegicus], ESTs, Weakly similar to ALDR_RAT Aldehyde reductase (AR) (Aldehyde reductase) [R.norvegicus], RIKEN cDNA 2310005E10 gene, aldo-keto reductase family 1, member B1 (aldose reductase), aldo-keto reductase family 1, member B3 (aldose reductase), fibroblast growth factor regulated protein
2636	13023	AI233740	VV		ALEX1 protein, ALEX3 protein, ESTs, Weakly similar to T00084 hypothetical protein KIAA0512 [H.sapiens], armadillo repeat protein ALEX2, hypothetical protein MGC3195
839	21993	AA943149	A, B		Alg5, S. cerevisiae, homolog of
1180	26120	AA998619	D		alpha 7A integrin, glycosylphosphatidylinositol specific phospholipase D1, integrin alpha 6, integrin alpha 7, integrin, alpha 6, integrin, alpha 7
1594	7552	AI045802	G, General Alternate		Alpha-2-macroglobulin, CCR4 carbon catabolite repression 4-like (S. cerevisiae), ESTs, Weakly similar to A2MG MOUSE ALPHA-2-MACROGLOBULIN PRECURSOR
					[M.musculus], Homo sapiens, clone MGC:1119 IMAGE:2959975, mRNA, complete cds, Mus musculus, clone MGC:29037 IMAGE:3598248, mRNA, complete cds, Mus musculus, clone MGC:29167 IMAGE:5052974, mRNA, complete cds, alpha-2-macroglobulin, carbon catabolite repression 4 homolog (S. cerevisiae), pregnancy-zone protein
706	4725	AA900290	Z, MM, TTT		alpha-2-macroglobulin, murinoglobulin 1, murinoglobulin 2, murinoglobulin, pseudogene 1
3531	8266	NM_023103	N, SS, TT General		alpha-2-macroglobulin, murinoglobulin 1, murinoglobulin 2, murinoglobulin, pseudogene 1
3531	8267	NM_023103	Alternate		alpha-2-macroglobulin, murinoglobulin 1, murinoglobulin 2, murinoglobulin, pseudogene 1
3531	8269	NM_023103	RR, WW		aminoacylase 1
515	17779	AA891914	Q, R, NNN		

Attorney Docket 44921-5038-01WO  
Document No. 1935028.1

TABLE 3		Human Homologous Sequence Cluster Title			
Seq ID	GLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					AMP-activated protein kinase, ESTs, Weakly similar to MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2 long form [Mus musculus] [M.musculus], ESTs, Weakly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK [M.musculus], G-protein-coupled receptor induced protein GIG2, Mus musculus, clone IMAGE:4947563, mRNA, partial cds, maternal embryonic leucine zipper kinase, protein kinase, AMP-activated, alpha 2 catalytic subunit
4021	11494	NM_144755	Q, W		amyloid beta (A4) precursor-like protein 2
3011	4225	M31322	GG		Amyloid protein precursor-like protein 2, ESTs, Weakly similar to EPPI_MOUSE Eppin precursor [M.musculus], amyloid beta (A4) precursor-like protein 1, amyloid beta (A4) precursor-like protein 2
666	18419	AA894130	S		angiotensin receptor 1
3573	24648	NM_030985	F, LL, FFF		annexin A5
3225	16650	NM_013132	O, VV		APC11 anaphase promoting complex subunit 11 homolog (yeast), ESTs, Highly similar to T51146 ring-box protein 1 [H.sapiens], ESTs, Weakly similar to T51146 ring-box protein 1 [H.sapiens], ring finger protein 7, ring-box 1
289	22797	AA850733	LL		apolipoprotein A-II
4187	428	X03468	T		apolipoprotein C-II, apolipoprotein CII
206	6329	AA819259	XX, YY		apolipoprotein C-IV, apolipoprotein CIV
904	16635	AA945171	D		apolipoprotein M
3405	15066	NM_019373	PPP, QQQ		

Attorney Docket 44921-5038-01WO  
Document No. 193328.1

TABLE 3

Seq ID	GLGC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3619	21624	NM_031144	VV		<p>ARP2 actin-related protein 2 homolog (yeast), ARP3 actin-related protein 3 homolog (yeast), EST, Weakly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Highly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], ESTs, Highly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Weakly similar to A29861 actin gamma [H.sapiens], ESTs, Weakly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], Homo sapiens cDNA FLJ31247 fis, clone KIDNE2005296, weakly similar to ACTIN, CYTOPLASMIC 1, Homo sapiens cDNA FLJ32120 fis, clone PEBLM1000068, highly similar to ACTIN, CYTOPLASMIC TYPE 5, Homo sapiens mRNA; cDNA DKFP434B2115 (from clone DKFP434B2115), RIKEN cDNA 1700052K15 gene, actin, beta, actin, beta, cytoplasmic, calcitonin gene-related peptide-receptor component protein, expressed sequence AV259599</p>
3619	21625	NM_031144	II		<p>ARP2 actin-related protein 2 homolog (yeast), ARP3 actin-related protein 3 homolog (yeast), EST, Weakly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Highly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], ESTs, Highly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Weakly similar to A29861 actin gamma [H.sapiens], ESTs, Weakly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], Homo sapiens cDNA FLJ31247 fis, clone KIDNE2005296, weakly similar to ACTIN, CYTOPLASMIC 1, Homo sapiens cDNA FLJ32120 fis, clone PEBLM1000068, highly similar to ACTIN, CYTOPLASMIC TYPE 5, Homo sapiens mRNA; cDNA DKFP434B2115 (from clone DKFP434B2115), RIKEN cDNA 1700052K15 gene, actin, beta, actin, beta, cytoplasmic, calcitonin gene-related peptide-receptor component protein, expressed sequence AV259599</p>



Attorney Docket 44921-5038-01WO  
 Document No. 1935828.1

TABLE 3

Seq ID	CLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1075	18830	AA964496	T, W		<p>ARP2 actin-related protein 2 homolog (yeast), ARP3 actin-related protein 3 homolog (yeast), EST, Weakly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Highly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], ESTs, Weakly similar to A29861 actin gamma [H.sapiens], ESTs, Weakly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], Homo sapiens cDNA FLJ31247 fis, clone KIDNE2005296, weakly similar to ACTIN, CYTOPLASMIC 1, Homo sapiens cDNA FLJ32120 fis, clone PEBLM1000068, highly similar to ACTIN, CYTOPLASMIC TYPE 5, Homo sapiens mRNA; cDNA DKFZp434B2115 (from clone DKFZp434B2115), RIKEN cDNA 1700052K15 gene, actin, beta, actin, beta, cytoplasmic, calcitonin gene-related peptide-receptor component protein, expressed sequence AV259599</p>
1867	18831	AI104357	S, T, W		<p>ARP2 actin-related protein 2 homolog (yeast), ARP3 actin-related protein 3 homolog (yeast), EST, Weakly similar to ACTB_HUMAN Actin, cytoplasmic 1 (Beta-actin) [R.norvegicus], ESTs, Highly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], ESTs, Weakly similar to A29861 actin gamma [H.sapiens], ESTs, Weakly similar to ACTB_HUMAN ACTIN, CYTOPLASMIC 1 [M.musculus], Homo sapiens cDNA FLJ31247 fis, clone KIDNE2005296, weakly similar to ACTIN, CYTOPLASMIC 1, Homo sapiens cDNA FLJ32120 fis, clone PEBLM1000068, highly similar to ACTIN, CYTOPLASMIC TYPE 5, Homo sapiens mRNA; cDNA DKFZp434B2115 (from clone DKFZp434B2115), RIKEN cDNA 1700052K15 gene, actin, beta, actin, beta, cytoplasmic, calcitonin gene-related peptide-receptor component protein, expressed sequence AV259599</p>
3138	721	NM_012780	RR		<p>Aryl hydrocarbon receptor nuclear translocator 2, aryl hydrocarbon receptor nuclear translocator, aryl hydrocarbon receptor nuclear translocator 2, aryl hydrocarbon receptor nuclear translocator-like</p>

Attorney Docket 44921-5088-01WQ  
Document No. 1958828.1

**TABLE 3**

Seq. ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3821	10909	NM_053756	U		ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9) isoform 3, EST, Moderately similar to ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9) isoform 3 [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to AT93 MOUSE ATP SYNTHASE LIPID-BINDING PROTEIN P3 PRECURSOR [M.musculus]
3409	22727	NM_019383	GG		ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d, EST, Weakly similar to ATPQ_HUMAN ATP SYNTHASE D CHAIN, MITOCHONDRIAL [H.sapiens], EST, Weakly similar to ATPQ_RAT ATP synthase D chain, mitochondrial [R.norvegicus]
3409	18141	NM_019383	Y, JJ		ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d, EST, Weakly similar to ATPQ_HUMAN ATP SYNTHASE D CHAIN, MITOCHONDRIAL [H.sapiens], EST, Weakly similar to ATPQ_RAT ATP synthase D chain, mitochondrial [R.norvegicus], myo-inositol 1-phosphate synthase A1
1828	17400	AI103097	KKK		ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2
3922	18810	NM_130430	OOO		ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle, EST, Moderately similar to A35730 H+-transporting ATP synthase (EC 3.6.1.34) alpha chain precursor - rat (fragment) [R.norvegicus]
4006	18450	NM_139106	LL, CCC, RRR		ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit, EST, Moderately similar to ATPD_HUMAN ATP SYNTHASE DELTA CHAIN, MITOCHONDRIAL PRECURSO [H.sapiens], RIKEN cDNA 0610008F14 gene, RIKEN cDNA 1500000111 gene, expressed sequence AI467246

Attorney Docket 44-921-5068-01WO  
Document No. 1993828.1

**TABLE 3**

Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit, ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein), EST, Weakly similar to ATPO_HUMAN ATP SYNTHASE OLIGOMYCIN SENSITIVITY CONFERRAL PROTEIN PRECURSOR, MITOCHONDRIAL [H.sapiens], ESTs, Highly similar to ATPO_HUMAN ATP SYNTHASE OLIGOMYCIN SENSITIVITY CONFERRAL PROTEIN PRECURSOR, MITOCHONDRIAL [H.sapiens], ESTs, Moderately similar to ATPO_HUMAN ATP SYNTHASE OLIGOMYCIN SENSITIVITY CONFERRAL PROTEIN PRECURSOR, MITOCHONDRIAL [H.sapiens]
3988	7394	NM_138883	DDD		ATPase, Class VI, type 11C, ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1, ATPase, class VI, type 11A, ATPase, class VI, type 11C, ESTs, Weakly similar to ATPase, class 1, member h; ATPase 11A, p type; ATPase 11A, class VI [Mus musculus] [M.musculus], RIKEN cDNA 111001914 gene
2409	11782	A1228004	Z, AA		ATPase, H+ transporting, lysosomal 14kD, V1 subunit F
3846	20939	NM_053884	FFF		ATPase, H+ transporting, lysosomal 16kD, V0 subunit C, ATPase, H+ transporting, lysosomal 16kD, V0 subunit c, ATPase, H+ transporting, lysosomal 21kD, V0 subunit c", ATPase, H+ transporting, lysosomal 21kDa, V0 subunit B, ESTs, Weakly similar to VATL_MOUSE Vacuolar ATP synthase 16 kDa proteolipid subunit [R.norvegicus], Mus musculus, Similar to ATPase, H+ transporting, lysosomal (vacuolar proton pump) 21kD, clone MGC:6568 IMAGE:2812497, mRNA, complete cds
3928	7863	NM_130823	II		ATPase, H+ transporting, lysosomal 16kD, V0 subunit C, ATPase, H+ transporting, lysosomal 16kD, V0 subunit c, ATPase, H+ transporting, lysosomal 21kD, V0 subunit c", ATPase, H+ transporting, lysosomal 21kDa, V0 subunit B, ESTs, Weakly similar to VATL_MOUSE Vacuolar ATP synthase 16 kDa proteolipid subunit [R.norvegicus], Mus musculus, Similar to ATPase, H+ transporting, lysosomal (vacuolar proton pump) 21kD, clone MGC:6568 IMAGE:2812497, mRNA, complete cds
3928	7865	NM_130823	OOO		

Attorney Docket 44921-5038-01W0  
Document No. 1935323.1

TABLE 3

Seq. ID	GLGC ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
4286	3831	Y12635	O, P, Q, II, MM, VV, PPP, TTT		ATPase, H+ transporting, lysosomal 56/58kD, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness), ATPase, H+ transporting, lysosomal 56/58kD, V1 subunit B, isoform 2, ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B, isoform 1, EST, Moderately similar to VAB2_MOUSE Vacuolar ATP synthase subunit B, brain isoform (V ATPase B2 subunit) (Vacuolar proton pump B isoform 2) (Endomembrane proton pump 58 kDa subunit) [R.norvegicus], ESTs, Highly similar to VAB2_MOUSE VACUOLAR ATP SYNTHASE SUBUNIT B, BRAIN ISOFORM (V-ATPase B2 SUBUNIT) (VACUOLAR PROTON PUMP B ISOFORM 2) (ENDOMEMBRANE PROTON PUMP 58 KDA SUBUNIT) [M.musculus]
3689	16178	NM_031785	T, V, JJ, KK		ATPase, H+ transporting, lysosomal interacting protein 1, EST, Weakly similar to I54197 hypothetical protein [H.sapiens], ESTs, Weakly similar to VAS1_RAT Vacuolar ATP synthase subunit S1 precursor (V-ATPase S1 subunit) (V-ATPase S1 accessory protein) (V-ATPase Ac45 subunit) (C7-1 protein) [R.norvegicus], Homo sapiens cDNA FLJ12563 fis, clone NT2RM4000820, weakly similar to VACUOLAR ATP SYNTHASE SUBUNIT AC45 PRECURSOR (EC 3.6.1.34), expressed sequence AW108110
3223	23709	NM_013113	I, M, MM, TT, TTT		ATPase, Na+/K+ transporting, beta 1 polypeptide
3223	23710	NM_013113	I, M, MM, TTT		ATPase, Na+/K+ transporting, beta 1 polypeptide
3223	23711	NM_013113	I, M, MM, WW, TTT		ATPase, Na+/K+ transporting, beta 1 polypeptide
1314	12071	AI009456	U, X, Y, LLL, UUU		ATP-binding cassette, sub-family A (ABC1), member 8, ESTs, Weakly similar to ABC2 MOUSE ATP-BINDING CASSETTE TRANSPORTER 2 [M.musculus], hypothetical protein FLJ14297
3685	4314	NM_031760	G, L, BB, II, VV, DDD		ATP-binding cassette, sub-family B (MDR/TAP), member 11, ATP-binding cassette, sub-family F (GCN20), member 2

TABLE 3					
Seq ID	CLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					ATP-binding cassette, sub-family C (CFTR/MRP), member 4, ATP-binding cassette, sub-family C (CFTR/MRP), member 9, ESTs, Weakly similar to ATP-binding cassette, sub-family C, member 9, isoform c; sulfonyleurea-binding protein 2; sulfonyleurea receptor 2 [Mus musculus] [M.musculus], Homo sapiens cDNA FLJ31957 fis, clone NT2RP7007381, highly similar to Sulfonyleurea receptor 2A, Mus musculus adult male pituitary gland cDNA, RIKEN full-length enriched library, clone:5330439B14:ATP-binding cassette, sub-family C (CFTR/MRP), member 9, full insert sequence
2701	3650	AI235738	S		ATP-binding cassette, sub-family F (GCN20), member 2
2026	24146	AI169668	R		ATP-dependant interferon responsive, Mus musculus, clone IMAGE:4952483, mRNA, partial cds, Mus musculus, clone MGC:18883 IMAGE:4238480, mRNA, complete cds, dystonia 1, torsion (autosomal dominant; torsin A), torsin family 2, member A, torsin family 3, member A
4043	9176	NM_153303	HH		AU RNA binding protein/enoyl-Coenzyme A hydratase, ESTs, Weakly similar to I37195 AU-specific RNA-binding protein / enoyl-CoA hydratase homolog [H.sapiens], enoyl coenzyme A hydratase 1, peroxisomal, uncharacterized hypothalamus protein HCDASE
2138	4193	AI172274	PPP		B-cell CLL/lymphoma 10, B-cell leukemia/lymphoma 10
1879	3504	AI104659	BB, CC, PP, QQ		B-cell CLL/lymphoma 3, B-cell leukemia/lymphoma 3, DNA segment, EST 1068184, ESTs, Weakly similar to T42713 ankyrin 3, splice form 1 - mouse [M.musculus], Homo sapiens cDNA FLJ11375 fis, clone HEMBA1000411, weakly similar to ANKYRIN, Homo sapiens clone 24649 mRNA sequence, Homo sapiens, similar to RIKEN cDNA 1700007B22, clone MGC:26734 IMAGE:4826296, mRNA, complete cds, KIAA1223 protein, hypothetical protein DKFZp564O043, nuclear factor kappa B p105 subunit, nuclear factor of kappa light chain gene enhancer in B-cells 1, p105, nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100
4020	15703	NM_144750	E, FFF, General Alternate		

Attorney Docket 44921-5038-01WO  
Document No. 1935928.1

TABLE 3						
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2967	13499	L26267	O, P, Q, R, W, NN, OO, PP, QQ		B-cell CLL/lymphoma 3, B-cell leukemia/lymphoma 3, ESTs, Weakly similar to NUCLEAR FACTOR NF-KAPPA-B P105 SUBUNIT [M.musculus], ESTs, Weakly similar to T42713 ankyrin 3, splice form 1 - mouse [M.musculus], Mus musculus, clone MGC:7734 IMAGE:3498403, mRNA, complete cds, nuclear factor of kappa light chain gene enhancer in B-cells 1, p105, nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	
3416	18702	NM_020080	T, MM, TTT		B-cell linker, DKFZP564J0123 protein, RIKEN cDNA 4733401H18 gene, hypothetical gene supported by BC007071	
4165	16398	U75392	UU, BBB, CCC		B-cell receptor-associated protein 37, ESTs, Highly similar to S46996 B-cell receptor-associated protein BAP37 - mouse [M.musculus], ESTs, Weakly similar to PHB HUMAN PROHIBIT [H.sapiens], Homo sapiens, clone MGC:20874 IMAGE:4547239, mRNA, complete cds, hypothetical protein MGC13071	
1328	22545	A1009747	I, J, MM, TTT		B-cell translocation gene 1, anti-proliferative, ESTs, Highly similar to TOB1_HUMAN TOB1 PROTEIN [H.sapiens], transducer of ERBB2, 1, transducer of ERBB2, 2, transducer of ErbB-2.1	
2380	9821	A180114	O, P, PP, QQ		BCL2/adenovirus E1B 19 kDa-interacting protein 1, NIP2, ESTs, Weakly similar to NIP2 MOUSE BCL2/ADENOVIRUS E1B 19-KDA PROTEIN-INTERACTING PROTEIN 2 [M.musculus], KIAA0367 protein, KIAA1872 protein, Mus musculus, Similar to Rho GTPase activating protein 1, clone MGC:7050 IMAGE:3156467, mRNA, complete cds, RIKEN cDNA 3110043J09 gene, hypothetical protein MGC8103	
3911	13799	NM_080888	L, Z		BCL2/adenovirus E1B 19 kDa-interacting protein 3-like, BCL2/adenovirus E1B 19kD interacting protein 3-like	
3911	19605	NM_080888	I, J, L, Z		BCL2/adenovirus E1B 19 kDa-interacting protein 3-like, BCL2/adenovirus E1B 19kD interacting protein 3-like	
3911	23033	NM_080888	L		BCL2/adenovirus E1B 19 kDa-interacting protein 3-like, BCL2/adenovirus E1B 19kD interacting protein 3-like	
3510	17757	NM_022698	YY		BCL2-antagonist of cell death, Bcl-associated death promoter	
3831	4361	NM_053812	O, P		BCL2-antagonist/killer 1, Mus musculus N-BAK1 (Bak1) mRNA, complete cds, alternatively spliced, RIKEN cDNA 0610031G08 gene	

TABLE 3						
Seq ID	GI/CC ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
375	15172	AA859362	XX, YY		BCL2-associated athanogene 3, BCL2-associated athanogene 5, Bcl2-associated athanogene 3, RIKEN cDNA 1700081D05 gene	BCL2-associated athanogene 3, BCL2-associated athanogene 5, Bcl2-associated athanogene 3, RIKEN cDNA 1700081D05 gene
2545	15171	AI231792	Q, AA		BCL2-associated athanogene 3, BCL2-associated athanogene 5, Bcl2-associated athanogene 3, RIKEN cDNA 1700081D05 gene	BCL2-associated athanogene 3, BCL2-associated athanogene 5, Bcl2-associated athanogene 3, RIKEN cDNA 1700081D05 gene
826	22677	AA942718	C, F, W, HH, II		BCL2-related ovarian killer, Bcl2-like	BCL2-related ovarian killer, Bcl2-like
3641	445	NM_031535	I, J		BCL2-related ovarian killer, Bcl2-like, ivB (bacterial acetolactate synthase)-like	BCL2-related ovarian killer, Bcl2-like, ivB (bacterial acetolactate synthase)-like
212	17824	AA819362	LL		beta-site APP-cleaving enzyme, hypothetical protein MGC7474	beta-site APP-cleaving enzyme, hypothetical protein MGC7474
2888	1888	E13573	F, X, Y, LLL		BH3 interacting (with BCL2 family) domain, apoptosis agonist, ESTs, Weakly similar to HRK MOUSE ACTIVATOR OF APOPTOSIS HARAKIRI [M.musculus], harakiri, BCL2 interacting protein (contains only BH3 domain)	BH3 interacting (with BCL2 family) domain, apoptosis agonist, ESTs, Weakly similar to HRK MOUSE ACTIVATOR OF APOPTOSIS HARAKIRI [M.musculus], harakiri, BCL2 interacting protein (contains only BH3 domain)
4014	8719	NM_139333	GG		Bmp2-induced gene, ESTs, Weakly similar to T2D4 HUMAN TRANSCRIPTION INITIATION FACTOR TF1D 100 KDA SUBUNIT [H.sapiens], Mus musculus F-box-WD40 repeat protein 6 (Fbxw6) mRNA, complete cds, Mus musculus, clone MGC:7934 IMAGE:3583848, mRNA, complete cds, RIKEN cDNA 1500009K01 gene, RIKEN cDNA 2310009C03 gene, RIKEN cDNA 4933429D11 gene, TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65 kD, WD repeat domain 18, guanine nucleotide binding protein (G protein), beta polypeptide 1, guanine nucleotide binding protein beta subunit 4, guanine nucleotide binding protein, beta 1, guanine nucleotide binding protein, beta 4, hypothetical protein FLJ00012, nuclear matrix protein NMP200 related to splicing factor PRP19	Bmp2-induced gene, ESTs, Weakly similar to T2D4 HUMAN TRANSCRIPTION INITIATION FACTOR TF1D 100 KDA SUBUNIT [H.sapiens], Mus musculus F-box-WD40 repeat protein 6 (Fbxw6) mRNA, complete cds, Mus musculus, clone MGC:7934 IMAGE:3583848, mRNA, complete cds, RIKEN cDNA 1500009K01 gene, RIKEN cDNA 2310009C03 gene, RIKEN cDNA 4933429D11 gene, TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65 kD, WD repeat domain 18, guanine nucleotide binding protein (G protein), beta polypeptide 1, guanine nucleotide binding protein beta subunit 4, guanine nucleotide binding protein, beta 1, guanine nucleotide binding protein, beta 4, hypothetical protein FLJ00012, nuclear matrix protein NMP200 related to splicing factor PRP19
2865	1350	D38560	DD, EE, NNN		Bmp2-inducible kinase, DnaJ (Hsp40) homolog, subfamily B, member 6, DnaJ (Hsp40) homolog, subfamily C, member 6, ESTs, Weakly similar to PTEN MOUSE PROTEIN-TYROSINE PHOSPHATASE PTEN [M.musculus], Mus musculus, Similar to cyclin G associated kinase, clone IMAGE:3487931, mRNA, partial cds, cyclin G associated kinase	Bmp2-inducible kinase, DnaJ (Hsp40) homolog, subfamily B, member 6, DnaJ (Hsp40) homolog, subfamily C, member 6, ESTs, Weakly similar to PTEN MOUSE PROTEIN-TYROSINE PHOSPHATASE PTEN [M.musculus], Mus musculus, Similar to cyclin G associated kinase, clone IMAGE:3487931, mRNA, partial cds, cyclin G associated kinase
3570	1035	NM_030851	I, J		bradykinin receptor B1, bradykinin receptor, beta	bradykinin receptor B1, bradykinin receptor, beta
594	11997	AA892828	MM, DDD, TTT		branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta	branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta



TABLE 3						
Seq ID	CLGG ID No.	GenBank Acc. or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
594	11998	AA892828	MM, TTT		branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta	
1028	12000	AA957319	MM, TTT		branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta	
2187	5876	AI176117	UU		branched chain ketoacid dehydrogenase E1, beta polypeptide, pyruvate dehydrogenase (lipoamide) beta	
4039	8278	NM_148892	Q, R		BRCA1 associated RING domain 1, BRCA1-associated RING domain protein 1, RIKEN cDNA 5830466J11 gene, SH3 domain protein 3, ankyrin repeat and SOCS box-containing 12, expressed sequence C78236, osteoclast stimulating factor 1	
3808	9055	NM_053631	X, Y, UUU		Breakpoint cluster region protein, uterine leiomyoma, 1; barrier to autointegration factor, breakpoint cluster region protein 1, expressed sequence C78287	
3588	20899	NM_031041	TT, ZZ, AAA		BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (S. cerevisiae), Mus musculus, general transcription factor IIB, clone MGC:6859 IMAGE:2650779, mRNA, complete cds, general transcription factor IIB	
3575	21801	NM_030987	ZZ, AAA		BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast), ESTs, Weakly similar to guanine nucleotide-binding protein, beta-1# subunit [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:7934 IMAGE:3583848, mRNA, complete cds, budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae), guanine nucleotide binding protein, beta 1, neural precursor cell expressed, developmentally down-regulated gene 1	
3575	21802	NM_030987	O, P, VV, AAA		BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast), ESTs, Weakly similar to guanine nucleotide-binding protein, beta-1# subunit [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:7934 IMAGE:3583848, mRNA, complete cds, budding uninhibited by benzimidazoles 3 homolog (S. cerevisiae), guanine nucleotide binding protein, beta 1, neural precursor cell expressed, developmentally down-regulated gene 1	

Attorney Docket 44921-8038-01WO  
Document No. 1995828.1

**TABLE 3**

Seq ID	GLGG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					C1q related factor, ESTs, Highly similar to 1917150A collagen:SUBUNIT-alpha1:ISOTYPE=VIII [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to CA18 MOUSE COLLAGEN ALPHA 1(VIII) CHAIN PRECURSOR [M.musculus], Homo sapiens, clone MGC:15203 IMAGE:3163767, mRNA, complete cds, collagen, type VIII, alpha 1, extracellular glycoprotein EMILIN-2 precursor, procollagen, type VIII, alpha 1
2055	13361	AI170516	E, NN, OO		C3H-type zinc finger protein; similar to D. melanogaster muscblind B protein, CHCR, expressed sequence A1849185, expressed sequence R75232, muscleblind-like (Drosophila)
197	22175	AA818999	WW		C3H-type zinc finger protein; similar to D. melanogaster muscblind B protein, CHCR, expressed sequence A1849185, expressed sequence R75232, muscleblind-like (Drosophila)
2757	22176	A1236907	RR, SS		Ca++/calmodulin-dependent protein kinase II, delta subunit, ER to nucleus signalling 1, MAP kinase-activated protein kinase 2, Mus musculus, clone MGC:18731 IMAGE:3980838, mRNA, complete cds, calcium/calmodulin-dependent protein kinase II, delta, expressed sequence A1874665
70	21042	AA799814	MM, TTT		Ca++/calmodulin-dependent protein kinase II, delta subunit, ER to nucleus signalling 1, MAP kinase-activated protein kinase 2, Mus musculus, clone MGC:18731 IMAGE:3980838, mRNA, complete cds, calcium/calmodulin-dependent protein kinase II, delta, expressed sequence A1874665
2786	21043	A1237813	MM, TTT		cadherin 13, cadherin 2, type 1, N-cadherin (neuronal), desmocollin 1, desmoglein 2
3629	6672	NM_031333	L, LLL, SSS		cadherin 13, cadherin 2, type 1, N-cadherin (neuronal), desmocollin 1, desmoglein 2
3629	6673	NM_031333	GGG, LLL		calcium binding protein Cab45 precursor, stromal cell derived factor 4
1154	3458	AA997861	KK		calmeglin, calnexin
634	11935	AA893328	LL		calmeglin, calnexin
3761	6962	NM_053404	LL		cAMP inducible gene 1, solute carrier family 15 (oligopeptide transporter), member 1
4018	6735	NM_139341	K		

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
1025	22251	AA957037	EE		candidate tumor suppressor OVCA2, diphtheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1			
2838	14882	D00362	O, P, NN, OO, XX, YY, BBB, DDD		carboxylesterase 3 (brain), esterase 1			
3000	14881	M20629	O, P, NN, OO, XX, YY, CCC		carboxylesterase 3 (brain), esterase 1			
3136	18068	NM_012762	P, VV		CARD only protein, ESTs, Moderately similar to A57511 interleukin-1 beta converting enzyme [H.sapiens], ESTs, Weakly similar to A56084 interleukin-1beta converting enzyme beta isozyme [H.sapiens], Homo sapiens mRNA; cDNA DKFZp586A181 (from clone DKFZp586A181); partial cds, ICEBERG caspase-1 inhibitor, caspase 1, caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)			
2486	1480	AI230260	RR		casein kinase 2, beta polypeptide, casein kinase II, beta subunit			
2957	1481	L15619	N, V, ZZ, AAA, PPP, QQQ		casein kinase 2, beta polypeptide, casein kinase II, beta subunit			
3975	24672	NM_138517	SS		cathepsin G, granzyme B, granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1), granzyme C, similar to granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) (H. sapiens)			
2945	1894	L03201	DDD		cathepsin S			
2242	16124	AI176963	UUU		Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4			
3813	16123	NM_053698	F, DD, EE		Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4			

TABLE 3

Attorney Docket 44921-5088-01WO  
Document No. 1933823.1

Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3814	14795	NM_053699	JJ, KK		Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1, Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4
1704	7775	A1071481	D		CCCTC-binding factor (zinc finger protein), EST, Weakly similar to ZF37_RAT Zinc finger protein 37 (Zfp-37) [R.norvegicus], ESTs, Highly similar to ZF28 MOUSE ZINC FINGER PROTEIN 28 [M.musculus], ESTs, Weakly similar to ZF28 MOUSE ZINC FINGER PROTEIN 28 [M.musculus], ESTs, Weakly similar to ZF93_MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], Mus musculus, clone MGC:31575 IMAGE:4504776, mRNA, complete cds, zinc finger protein 28, zinc finger protein 37, zinc finger protein 37 homolog (mouse)
2960	24518	L19927	GG		CCR4-NOT transcription complex, subunit 7, EST, Highly similar to G Chain G, Rat Liver F1-Atase [R.norvegicus], expressed sequence C80464
3215	8898	NM_013087	G, H, J		CD 81 antigen, CD81 antigen (target of antiproliferative antibody 1), ESTs, Weakly similar to CD81 ANTIGEN [M.musculus], ESTs, Weakly similar to CD81_RAT CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) [R.norvegicus]
3215	8899	NM_013087	G, H, I, J, S, SSS, UUU		CD 81 antigen, CD81 antigen (target of antiproliferative antibody 1), ESTs, Weakly similar to CD81 ANTIGEN [M.musculus], ESTs, Weakly similar to CD81_RAT CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) [R.norvegicus]
3215	8900	NM_013087	PPP, QQQ		CD 81 antigen, CD81 antigen (target of antiproliferative antibody 1), ESTs, Weakly similar to CD81 ANTIGEN [M.musculus], ESTs, Weakly similar to CD81_RAT CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) [R.norvegicus]
3432	19710	NM_021744	II, KKK		CD14 antigen
3432	19711	NM_021744	N, GG		CD14 antigen
4005	17854	NM_139103	O, P		CD2 antigen family, member 10, CD48 antigen, CD48 antigen (B-cell membrane protein), CD84 antigen, ESTs, Weakly similar to CD48_RAT MRC OX-45 surface antigen precursor (BCM1 surface antigen) (BLAST-1) (CD48) [R.norvegicus], RIKEN cDNA 5830408F06 gene, expressed sequence A1449234

TABLE 3						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44321-5038-01WO Document No. 1933828.1
1030	24040	AA957422	P, VV		CD3 antigen, zeta polypeptide, CD3Z antigen, zeta polypeptide (TIT3 complex), Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide, Fc receptor, IgE, high affinity I, gamma polypeptide, Homo sapiens, Similar to Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide, clone MGC:22620 IMAGE:4704425, mRNA, complete cds, T-cell receptor CD3, subunit zeta	
3871	21066	NM_054001	B, OO, General Alternate		CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2, CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2 (lysosomal integral membrane protein II), EST, Moderately similar to LYII_HUMAN LYSOSOME MEMBRANE PROTEIN II [H.sapiens]	
570	24873	AA892498	N, O, P		CD63 antigen (melanoma 1 antigen), Cd63 antigen, EST, Weakly similar to CD63 MOUSE CD63 ANTIGEN [M.musculus], expressed sequence C75951, tetraspan 3, transmembrane 4 superfamily member 8	
444	15371	AA875205	N, MM, TTT, General Alternate		CDA02 protein, ESTs, Weakly similar to IF39_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 [H.sapiens]	
444	15372	AA875205	A, B, FFF, General Core Tox Markers, General Alternate		CDA02 protein, ESTs, Weakly similar to IF39_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 9 [H.sapiens]	
1843	23874	AI103556	L, General Core Tox Markers, General Alternate		CDC28 protein kinase 1, ESTs, Highly similar to A36670 cell division control protein CKS1 [H.sapiens]	
4272	463	X83579	S, PPP, QQQ		CDK-related protein kinase PNQLARE, cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase), cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase)	

TABLE 3						
Seq ID	CLGG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
2873	826	D82928	Z, AA, EE		CDP-diacylglycerol--inositol 3-phosphatidylinositol synthase, DNA segment, Chr 7, Brigham & Women's Genetics 0575 expressed	CDP-diacylglycerol--inositol 3-phosphatidylinositol synthase, DNA segment, Chr 7, Brigham & Women's Genetics 0575 expressed
1293	1830	A1009002	T		cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C	cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C
1433	1828	A1012942	D		cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25C	cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25C
1694	1831	A1071137	T		cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25C	cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25C
3951	1827	NM_133572	NN, OO		cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C	cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25B, cell division cycle 25C
3950	745	NM_133567	HH		Centaurin-alpha2 protein, EST, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], ESTs, Weakly similar to Centaurin-alpha2 protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], RIKEN cDNA 1700030C10 gene, centaurin, beta 2, centaurin, beta 5, development and differentiation enhancing, hypothetical protein AL133206	Centaurin-alpha2 protein, EST, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], ESTs, Weakly similar to Centaurin-alpha2 protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], RIKEN cDNA 1700030C10 gene, centaurin, beta 2, centaurin, beta 5, development and differentiation enhancing, hypothetical protein AL133206
4137	746	U51013	N, PP, QQ, XX, YY		Centaurin-alpha2 protein, EST, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], ESTs, Weakly similar to Centaurin-alpha2 protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], RIKEN cDNA 1700030C10 gene, centaurin, beta 2, centaurin, beta 5, development and differentiation enhancing, hypothetical protein AL133206	Centaurin-alpha2 protein, EST, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], ESTs, Weakly similar to Centaurin-alpha2 protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to T42627 ADP-ribosylation factor-directed GTPase activating protein, isoform a - mouse [M.musculus], RIKEN cDNA 1700030C10 gene, centaurin, beta 2, centaurin, beta 5, development and differentiation enhancing, hypothetical protein AL133206
1112	2828	AA996529	UUU		ceroid-lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeier-Vogt disease), expressed sequence A1323623	ceroid-lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeier-Vogt disease), expressed sequence A1323623
2058	24048	A1170570	S		CGI-10 protein	CGI-10 protein
2264	24049	A1177341	K, Y, DDD		CGI-10 protein	CGI-10 protein



TABLE 3							Attorney Docket 44924-5033-01WO Document No. 1935323.1	
Seq ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
					CGI-109 protein, ESTs, Weakly similar to P24_MOUSE COP-COATED VESICLE MEMBRANE PROTEIN P24 PRECURSOR (P24A) [M.musculus], RIKEN cDNA 1110014C03 gene, RIKEN cDNA 1200002G13 gene, RIKEN cDNA 1810020N21 gene, RIKEN cDNA 3930401E15 gene, RIKEN cDNA 4432412D15 gene, coated vesicle membrane protein, integral type I protein			
2507	11553	AI230765	BB, CC		CGI-110 protein			
2110	15109	AI171768	UUU		CGI-115 protein, RIKEN cDNA 2810430M08 gene			
1564	5634	AI044883	FFF		CGI-116 protein			
18	23293	AA799472	Z, AA		CGI-127 protein			
2071	1923	AI170754	Q, R		CGI-141 protein, ESTs, Weakly similar to T46908 hypothetical protein			
2584	3661	AI232506	M		DKFZp761G2423.1 [H.sapiens]			
1164	3367	AA998110	II, FFF		CGI-143 protein			
					CGI-19 protein, ESTs, Weakly similar to JC5026 UDP-galactose transporter related protein 1 - rat [R.norvegicus], Mus musculus, clone MGC:31031 IMAGE:5137689, mRNA, complete cds, UDP-galactose translocator 2, UDP-galactose transporter related, YEA4 protein, expressed sequence AI428480, hypothetical protein, MNCb-4414			
2878	2744	D87991	T, UU, DDD, EEE, MMM		CGI-20 protein			
1671	18	AI070195	RR		CGI-69 protein, EST, Moderately similar to T43493 hypothetical protein DKFZp434C119.1 [H.sapiens], ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, RIKEN cDNA 1300006L01 gene, expressed sequence AW491445, mitochondrial carrier family protein, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier), member 18, solute carrier family 25 (mitochondrial carrier, Aralar), member 12, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member	13		
922	20904	AA945683	ZZ, AAA					



Attorney Docket 44921-5038-01WO  
Document No. 193323.1

TABLE 3					Human Homologous Sequence Cluster Title	
Seq ID	GLGC ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name		
821	21798	AA926365	X, DDD		CGI-69 protein, EST, Moderately similar to T43493 hypothetical protein DKFZp434C119.1 [H.sapiens], mitochondrial carrier family protein	
4134	734	U49055	C		CGI-74-like SR-rich, DNA segment, Chr 17, human D6S45, EST, Weakly similar to SRA4_HUMAN CTD-BINDING SR-LIKE PROTEIN RA4 [H.sapiens], ESTs, Highly similar to T31420 C-terminal domain-binding protein rA8 - rat [R.norvegicus], ESTs, Moderately similar to RD PROTEIN [M.musculus], ESTs, Weakly similar to RD protein rA8 - rat [R.norvegicus], KIAA1116 protein, expressed sequence A1447644, expressed sequence A1448652, hypothetical protein FLJ10290, pre-mRNA splicing SR protein rA4	
1268	3121	A1008160	N, U, NN, OO, III, LLL, RRR, SSS, UUU		CGI-83 protein	
1687	8944	A1070597	U		CGI-97 protein, EST, Weakly similar to YC97_HUMAN HYPOTHETICAL PROTEIN CGI-97 [H.sapiens]	
781	5140	AA925391	UUU		checkpoint with forkhead and ring finger domains	
1017	23841	AA956693	K		chemokine (C-C motif) receptor-like 1	
3348	20146	NM_017362	I, J		cholinergic receptor, muscarinic 3, cardiac, cholinergic receptor, muscarinic 5	
2324	3076	A1179075	RR		chorionic somatomammotropin hormone 1, expressed sequence A1325057, prolactin	
66	18880	AA799801	D		chromosome 11 open reading frame 17, predicted gene ICRFP703B1614Q5.6	
78	18883	AA799992	Z, AA		chromosome 11 open reading frame 17, predicted gene ICRFP703B1614Q5.6	
2326	13055	A1179100	Q, R, FFF		chromosome 14 open reading frame 1	
2562	13056	A1232155	FFF		chromosome 14 open reading frame 1	
274	17179	AA849797	GGG		chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	
1873	21832	A1104521	LL		chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	
2551	17144	A1231921	YY		chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935323.1	
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3213	17181	NM_013073	ZZ, AAA		chromosome 20 open reading frame 36, protein-L-isoaspartate (D-aspartate) O-methyltransferase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1			
4157	953	U67915	D		chymase 1, mast cell, mast cell protease 1			
3836	17154	NM_053835	K, Q, R, BBB, CCC, LLL, RRR, SSS		clathrin, light polypeptide (Lca), clathrin, light polypeptide (Lcb), expressed sequence AV026556			
3836	17155	NM_053835	H, LLL, UUU, General Alternate		clathrin, light polypeptide (Lca), clathrin, light polypeptide (Lcb), expressed sequence AV026556			
1688	8950	AI070621	II		cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kD			
1198	1557	AB000216	General Alternate		CLLL7 protein, DKFZP586C1619 protein, ESTs, Weakly similar to T31081 cca3 protein - rat [R.norvegicus], Homo sapiens cDNA FLJ25141 fis, clone CBR07151, RIKEN cDNA 4933432B13 gene, RIKEN cDNA 6330404E16 gene, chromosome condensation 1-like, expressed sequence AW539457, gene trap ankryrin repeat			
2794	17108	AI639017	C		CLLL8 protein, EST, Highly similar to S30385 G9a protein [H.sapiens], ESTs, Weakly similar to T17453 ERG-associated protein ESET - mouse [M.musculus], SET domain, bifurcated 1, euchromatic histone methyltransferase 1, suppressor of variegation 3-9 (Drosophila) homolog 2; hypothetical protein FLJ23414			
1524	3167	AI031012	F, S, RRR		ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli), caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli), expressed sequence AU019820			
1486	7420	AI029291	U		ClpX caseinolytic protease X homolog (E. coli)			
3914	9952	NM_080902	C, General Alternate		CLST 11240 protein, DKFZP564K247 protein, ESTs, Highly similar to T14766 hypothetical protein DKFZp564K247.1 [H.sapiens], ESTs, Weakly similar to hypoxia induced gene 1 [Rattus norvegicus] [R.norvegicus], Homo sapiens mRNA; cDNA DKFZp434A1627 (from clone DKFZp434A1627), RIKEN cDNA 2010110M21 gene, RIKEN cDNA 2310056K19 gene, hypothetical protein MGC2198, hypoxia induced gene 1			

TABLE 3						
Attorney Docket 449241-5038-01WO Document No. 1935828.1						
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2256	16175	AI177145	XX, YY		CMP-NeuAC: (beta)-N-acetylgalactosaminide (alpha)2,6-sialyltransferase member VI, ESTs, Weakly similar to CAG7_RAT ALPHA-N-ACETYL GALACTOSAMINIDE ALPHA-2,6-SIALYL TRANSFERASE (ST6GALNACIII) (STY) [R.norvegicus], sialyltransferase 7D ((alpha)-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase), similar to sialyltransferase 7 ((alpha)-N-acetylneuraminy 2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) E	
2952	107	L14001	XX, YY, JJJ		CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT PolymERIC-immunoglobulin receptor precursor (Poly-IG receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymeric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymERIC immunoglobulin receptor, regulator of Fas-induced apoptosis	
2953	108	L14002	L, MM, DDD, TTT		CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT PolymERIC-immunoglobulin receptor precursor (Poly-IG receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymeric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymERIC immunoglobulin receptor, regulator of Fas-induced apoptosis	

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1995828.1						
Seq ID	GLGC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2955	109	L14004	M, N, V, SS, TT, DDD		CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT Polymetric-immunoglobulin receptor precursor (Poly-IG receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymetric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymetric immunoglobulin receptor, regulator of Fas-induced apoptosis	
4085	110	U01145	D, F		CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT Polymetric-immunoglobulin receptor precursor (Poly-IG receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymetric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymetric immunoglobulin receptor, regulator of Fas-induced apoptosis	
4088	111	U02506	MM, SS, NNN, TTT		CMRF35 leukocyte immunoglobulin-like receptor, EST, Weakly similar to PIGR_RAT Polymetric-immunoglobulin receptor precursor (Poly-IG receptor) (PIGR) [Contains: Secretory component] [R.norvegicus], Fc receptor, IgA, IgM, high affinity, Homo sapiens, similar to CMRF35 ANTIGEN PRECURSOR, clone MGC:26887 IMAGE:4827737, mRNA, complete cds, Mus musculus polymetric immunoglobulin receptor 3 precursor (Pigr3) mRNA, complete cds, RIKEN cDNA 1810037B05 gene, RIKEN cDNA 2310016B05 gene, immunoglobulin superfamily, member 7, polymetric immunoglobulin receptor, regulator of Fas-induced apoptosis	
774	22851	AA925204	FF		cofactor of BRCA1	
4139	358	U52948	BB, CC		complement component 9	
231	20668	AA819749	PPP, QQQ		component of oligomeric golgi complex 4	
2273	20669	A1177590	GG		component of oligomeric golgi complex 4	
3456	6585	NM_022266	A		connective tissue growth factor	

TABLE 3						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
148	2845	AA818026	UUU		COP9 (constitutive photomorphogenic) homolog, subunit 6 (Arabidopsis thaliana), eukaryotic translation initiation factor 3, subunit 5 (epsilon), eukaryotic translation initiation factor 3, subunit 5 (epsilon, 47kD), expressed sequence AW107203, proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	
639	13088	AA893495	A, G, BB, CC, TT, FFF, GGG, HHH, General Core Tox Markers		corticosteroid binding globulin, serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	
4102	53	U16253	K		corticotropin releasing hormone receptor 2	
3784	8358	NM_053540	X, Y		COX17 homolog, cytochrome c oxidase assembly protein (yeast), cytochrome c oxidase, subunit XVII assembly protein homolog (yeast), expressed sequence A1037035	
2419	22915	A1228299	L		craniofacial development protein 1	
2265	15251	A1177363	Z		c-src tyrosine kinase	
2307	15252	A1178605	GG, HH		c-src tyrosine kinase	
1882	22957	A1104897	Q, R		CTAGE-1 protein, ESTs, Moderately similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], ESTs, Weakly similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], KIAA0268 protein, meningioma expressed antigen 6 (coiled-coil proline-rich)	
2093	22958	A1171374	Q, R, FF		CTAGE-1 protein, ESTs, Moderately similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], ESTs, Weakly similar to MEA6_HUMAN MENINGIOMA-EXPRESSED ANTIGEN 6/11 (MEA6) (MEA11) [H.sapiens], KIAA0268 protein, meningioma expressed antigen 6 (coiled-coil proline-rich)	

TABLE 3						
Seq ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3820	24728	NM_053753	X, Y, EEE, MMM		C-type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 13, C-type lectin-like receptor, ESTs, Weakly similar to KUCR_RAT Kupffer cell receptor [R.norvegicus], Langerhans cell specific c-type lectin, Mus musculus mRNA for C type lectin (langerin gene), RIKEN cDNA 1810046124 gene, RIKEN cDNA 3110037K17 gene	
2481	7650	A1230142	O, P		C-type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 13, ESTs, Weakly similar to KUCR_RAT Kupffer cell receptor [R.norvegicus], Kupffer cell receptor, Langerhans cell specific c-type lectin	
3137	17257	NM_012766	NN, OO, PP, QQ, ZZ		cyclin D3	
3137	17258	NM_012766	NN, ZZ, AAA		cyclin D3	
651	19171	AA893699	C		cyclin D-type binding-protein 1, maternal inhibition of differentiation	
3545	20770	NM_024160	VV		cytochrome b-245, alpha polypeptide	
4029	1448	NM_145783	U		cytochrome c oxidase subunit Va, cytochrome c oxidase, subunit Va	
3795	21424	NM_053586	XX, YY		cytochrome c oxidase subunit Vb, cytochrome c oxidase, subunit Vb	
3650	15024	NM_031572	GG		cytochrome P450, 2c40, cytochrome P450, subfamily IIC (nephentoin 4-hydroxylase), polypeptide 19, expressed sequence A1662255	
4028	16278	NM_145782	X		cytochrome P450, 3a25, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 5	
3807	1127	NM_053626	III, JJJ		D-amino acid oxidase, D-amino-acid oxidase, D-aspartate oxidase, Mus musculus, Similar to D-aspartate oxidase, clone MGC:6692 IMAGE:3582980, mRNA, complete cds, RIKEN cDNA 5730402C02 gene	

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3

Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
26	18981	AA799523	I, Z, AA, LL		DAZ associated protein 1, ESTs, Highly similar to I52962 FBRNP [H.sapiens], ESTs, Weakly similar to ROA1_RAT Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein) (hnRNP core protein A1) (HDP) [R.norvegicus], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Homo sapiens cDNA: FLJ22720 fis, clone HSI14320, Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H. sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1
836	22142	AA943066	KK		DEAD (aspartate-glutamate-alanine-aspartate) box polypeptide 5, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 17 (72kD), ESTs, Moderately similar to A57514 RNA-helicase HEL117 - rat [R.norvegicus], ESTs, Weakly similar to PROBABLE RNA-DEPENDENT HELICASE P68 [M.musculus], Homo sapiens cDNA FLJ25329 fis, clone TST00542, Homo sapiens mRNA; cDNA DKFZp586K2322 (from clone DKFZp586K2322), Mus musculus, clone MGC:31579 IMAGE:4505095, mRNA, complete cds, RIKEN cDNA 2310061O04 gene, RIKEN cDNA 4921506D17 gene, RNA helicase, expressed sequence A1325430
2143	15842	AI172325	FFF		DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1
3790	4327	NM_053563	R		DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 20, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 20, 103kD, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 39, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 6 (RNA helicase, 54kD), DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 7 (RNA helicase, 52kD), EST, Moderately similar to HLA-B-associated transcript 1A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bat1 [Mus musculus] [M.musculus], HLA-B-associated transcript 1A



TABLE 3						
Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44924-5038-01WO Document No. 1935323.1
325	13772	AA851926	C, J		DEAD-box protein, ESTs, Weakly similar to DDX5 MOUSE PROBABLE RNA-DEPENDENT HELICASE P68 [M.musculus], Homo sapiens cDNA FLJ25329 fis, clone TST00542, Homo sapiens, Similar to RIKEN cDNA 2310061O04 gene, clone MGC:21583 IMAGE:4479998, mRNA, complete cds, Mus musculus, clone MGC:31579 IMAGE:4505095, mRNA, complete cds, RIKEN cDNA 9130430L19 gene, RNA helicase, expressed sequence A1325430	
2461	23858	A1229450	K, L		DEAD-box protein, ESTs, Weakly similar to DDX5 MOUSE PROBABLE RNA-DEPENDENT HELICASE P68 [M.musculus], Homo sapiens cDNA FLJ25329 fis, clone TST00542, Homo sapiens, Similar to RIKEN cDNA 2310061O04 gene, clone MGC:21583 IMAGE:4479998, mRNA, complete cds, Mus musculus, clone MGC:31579 IMAGE:4505095, mRNA, complete cds, RIKEN cDNA 9130430L19 gene, RNA helicase, expressed sequence A1325430	
3489	12422	NM_022546	H, T, DD, EE, KKK		death-associated kinase 3, death-associated protein kinase 1, death-associated protein kinase 3, expressed sequence A1120141, serine/threonine kinase 17a (apoptosis-inducing), serine/threonine kinase 17b (apoptosis-inducing)	
3489	12423	NM_022546	D, DD, EE, KKK		death-associated kinase 3, death-associated protein kinase 1, death-associated protein kinase 3, expressed sequence A1120141, serine/threonine kinase 17a (apoptosis-inducing), serine/threonine kinase 17b (apoptosis-inducing)	
3894	24459	NM_057209	UU		death-associated kinase 3, expressed sequence A1120141, myosin light chain kinase 2, skeletal muscle	
7	16950	AA686164	S, VV, PPP, QQQ		dendritic cell protein	
1177	23770	AA998488	SS		dentatorubral-pallidoluysian atrophy (atrophin-1)	
1418	12766	A1012505	SSS		diacylglycerol O-acyltransferase 2, diacylglycerol O-acyltransferase homolog 2 (mouse)	
920	22612	AA945624	OOO		Diaphorase (NADH/NADPH), EST, Weakly similar to A32667 NAD(P)H dehydrogenase [H.sapiens], NAD(P)H dehydrogenase, quinone 1, NAD(P)H dehydrogenase, quinone 2, NAD(P)H menadione oxidoreductase 2, dioxin inducible	

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3		Human Homologous Sequence Cluster Title	
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code
1578	5697	AI045119	WW
931	21974	AA945769	Q, R
3544	4504	NM_024159	PP
2037	8794	AI170002	CC
1782	3537	AI101690	SS
1148	2354	AA997763	C, L, Z, GG, HH
2496	7881	AI230528	N
1448	12794	AI013442	R
2123	23422	AI172034	O, P, CC
755	5009	AA924737	K
1385	14267	AI011738	U, FF
2115	3266	AI171948	FFF, General Alternate

  

Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
	dihydropyrimidine dehydrogenase, dihydropyrimidine dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex), expressed sequence AI746344, thioredoxin reductase 1
	DIPB protein, ESTs, Weakly similar to T43483 translation initiation factor IF-2 homolog [H.sapiens], KIAA1966 protein, hypothetical protein DKFZp761F2014, translation initiation factor IF2
	disabled homolog 1 (Drosophila), disabled homolog 2 (Drosophila), disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)
	discs, large homolog 2 (Drosophila), discs, large homolog 2, chapsyn-110 (Drosophila) dishevelled 2, dsh homolog (Drosophila), dishevelled 3, dsh homolog (Drosophila), dishevelled, dsh homolog (Drosophila), dishevelled, dsh homolog 1 (Drosophila), dishevelled, dsh homolog 3 (Drosophila)
	DKFZP434B027 protein
	DKFZP434B0335 protein
	DKFZP434J154 protein, ESTs, Moderately similar to T12539 hypothetical protein
	DKFZp434J154.1 [H.sapiens], Homo sapiens cDNA FLJ13282 fis, clone OVARC1001092, highly similar to Homo sapiens mRNA for JM5 protein, hypothetical protein 628, hypothetical protein FLJ10055
	DKFZp434J1813 protein
	DKFZP434P106 protein, ESTs, Weakly similar to T17237 hypothetical protein
	DKFZp434P106.1 [H.sapiens], hypothetical protein FLJ14906, hypothetical protein from EUROIMAGE 588495
	DKFZP564B167 protein, RIKEN cDNA 201002107 gene, RIKEN cDNA 2610205H19 gene
	DKFZP564F0522 protein, ESTs, Weakly similar to T08675 hypothetical protein
	DKFZp564F0522.1 [H.sapiens], Homo sapiens cDNA FLJ25180 fis, clone CBR09247

TABLE 3

Seq ID		CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
						DKFZp564J157 protein, EST, Weakly similar to B24264 proline-rich protein MP3 - mouse [M.musculus], EST, Weakly similar to B36298 proline-rich protein PRB3S [H.sapiens], EST, Weakly similar to CGHU3B collagen alpha 3(IV) chain precursor, long splice form [H.sapiens], EST, Weakly similar to D40750 proline-rich protein PRB1/2S [H.sapiens], EST, Weakly similar to PIHUB6 salivary proline-rich protein precursor [H.sapiens], EST, Weakly similar to PRP1_HUMAN SALIVARY PROLINE-RICH PROTEIN PRECURSOR [H.sapiens], EST, Weakly similar to T34520 hypothetical protein DKFZp564J157.1 [H.sapiens], ESTs, Highly similar to T34520 hypothetical protein DKFZp564J157.1 [H.sapiens], ESTs, Weakly similar to B24264 proline-rich protein MP3 - mouse [M.musculus], ESTs, Weakly similar to T34520 hypothetical protein DKFZp564J157.1 [H.sapiens]
90	15659		AA800199	P		DKFZP564K1964 protein, ESTs, Moderately similar to T17328 hypothetical protein
2530	13963		AI231388	JJ		DKFZp564K1964.1 [H.sapiens]
1391	18684		AI011812	ZZ, AAA		DKFZP564O123 protein, putative breast adenocarcinoma marker (32kD)
2585	11269		AI232510	E		DKFZP566C0424 protein
2899	4360		H31813	B, I, J, XX, YY, PPP, QQQ		DKFZP586B1621 protein
982	12407		AA955495	XX		DKFZP586D0623 protein, hypothetical protein MGC1203
2283	3834		AI177902	X, Y		DKFZP586F1524 protein
2117	18325		AI171953	Y		DKFZP586F1918 protein, EST, Weakly similar to T08740 hypothetical protein
						DKFZp586F1918.1 [H.sapiens], mucin 6, gastric
						DKFZP586G011 protein, ESTs, Moderately similar to I61730 lamina associated polypeptide 1C short splice form - rat [R.norvegicus], ESTs, Weakly similar to I61730 lamina associated polypeptide 1C short splice form - rat [R.norvegicus], ESTs, Weakly similar to T08767 probable lamina-associated protein DKFZp586G011.1 [H.sapiens], Homo sapiens, clone IMAGE:4651703, mRNA, Mus musculus, clone MGC:6357 IMAGE:3493883, mRNA, complete cds
4105	1949		U19614	XX, YY		

TABLE 3						
Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1936828.1
4105	1948	U19614	L		DKFZP586G011 protein, ESTs, Weakly similar to T08767 probable lamina-associated protein DKFZP586G011.1 [H.sapiens], Mus musculus, clone MGC:6357 IMAGE:3493883, mRNA, complete cds	
2708	7307	AI235935	X, Y, UUU		DKFZP586G1517 protein, EST, Moderately similar to A Chain A, Human Tetrahydrofolate Dehydrogenase [H.sapiens], ESTs, Highly similar to T17244 hypothetical protein DKFZP586G1517.1 [H.sapiens], ESTs, Weakly similar to C1TC_RAT C-1-tetrahydrofolate synthase, cytoplasmic (C1-THF synthase) [Includes: Methylenetetrahydrofolate dehydrogenase ; Methylenetetrahydrofolate cyclohydrolase ; Formyltetrahydrofolate synthetase ] [R.norvegicus], expressed sequence A1647056, hypothetical protein FLJ13105	
4154	870	U66478	PP, QQ		DKFZP586M0622 protein, MAD homolog 1 (Drosophila), MAD, mothers against decapentaplegic homolog 1 (Drosophila)	
552	4373	AA892310	T		DKFZP586O0120 protein	
136	1822	AA817843	LLL, UUU		DNA polymerase epsilon, subunit 3, ESTs, Moderately similar to CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT A [M.musculus], ESTs, Weakly similar to A23692 transcription factor, CCAAT-binding, chain A1 - rat [R.norvegicus], RIKEN cDNA 1810034K18 gene, down-regulator of transcription 1, down-regulator of transcription 1, TBP-binding (negative cofactor 2), nuclear transcription factor Y, beta, nuclear transcription factor-Y beta, polymerase (DNA directed), epsilon 3 (p17 subunit) DNA segment, Chr 1, Brigham & Women's Genetics 0212 expressed, EST, Weakly similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to suppression of tumorigenicity 13 (colon carcinoma) Hsp70-interacting protein [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 1700010I24 gene, RIKEN cDNA 2310040B03 gene, expressed sequence AW538196, sperm associated antigen 1, suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	
3612	23569	NM_031122	X, Y, BB, CC, DD, EE, KKK, NNN			

Attorney Docket 44921-5038-01WVO  
Document No. 1935328.1

Human Homologous Sequence Cluster Title

Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
94	18442	AA800258	ZZ, AAA		DNA segment, Chr 11, Wayne State University 99, expressed, hypothetical protein FLJ14775, low density lipoprotein B, low density lipoprotein receptor defect B complementing
3696	17535	NM_031816	D		DNA segment, Chr 12, ERATO Doi 604, expressed, ESTs, Moderately similar to hypothetical protein FLJ10416 similar to constitutive photomorph [Homo sapiens] [H.sapiens], ESTs, Weakly similar to retinoblastoma binding protein 7 [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to glutamate rich WD repeat protein GRWD, clone IMAGE:3498842, mRNA, partial cds, RIKEN cDNA 2610016K01 gene, RIKEN cDNA 261052912 gene, constitutive photomorphogenic protein 1 (Arabidopsis), retinoblastoma binding protein 4, retinoblastoma binding protein 7
4255	16300	X70706	DDD		DNA segment, Chr 14, ERATO Doi 426, expressed, ESTs, Highly similar to A34789 T-plastin [H.sapiens], ESTs, Highly similar to A56536 plastin, intestinal [H.sapiens], Mus musculus, clone IMAGE:4216549, mRNA, partial cds, Mus musculus, clone MGC:6362 IMAGE:3495462, mRNA, complete cds, calreticulin, expressed sequence AL024105, plastin 1 (I isoform), plastin 2, L, plastin 3 (T isoform)
4076	1460	S76054	G, H, VV, General Alternate		DNA segment, Chr 15, Wayne State University 77, expressed, EST, Moderately similar to K2C8_RAT Keratin, type II cytoskeletal 8 (Cytokeratin 8) (Cytokeratin endo A) [R.norvegicus], ESTs, Moderately similar to I37982 Keratin 8 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp434C107 (from clone DKFZp434C107), Homo sapiens mRNA; cDNA DKFZp762H106 (from clone DKFZp762H106), keratin 8, keratin complex 2, basic, gene 8
4007	14463	NM_139110	Z, AA		DNA segment, Chr 17, ERATO Doi 479, expressed, EGF-like module containing, mucin-like, hormone receptor-like sequence 1, EST, Highly similar to T08685 hypothetical protein DKFZp564O1923.1 [H.sapiens], EST, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], ESTs, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], KIAA0758 protein, cadherin EGF LAG seven-pas G-type receptor 2, hypothetical protein FLJ22684, latrophilin

Attorney Docket 44921-5038-01WO  
Document No. 1935323.1

**TABLE 3**

Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3529	1053	NM_022962	E		DNA segment, Chr 17, ERATO Doi 479, expressed, EGF-like module containing, mucin-like, hormone receptor-like sequence 1, EST, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus], ESTs, Highly similar to lectomedin-2; KIAA0821 protein [Homo sapiens] [H.sapiens], ESTs, Weakly similar to EMR1 MOUSE CELL SURFACE GLYCOPROTEIN EMR1 PRECURSOR [M.musculus]
3923	18293	NM_130433	K, U, FF, LL		DNA segment, Chr 18, ERATO Doi 240, expressed, Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit, clone MGC:7126 IMAGE:3158015, mRNA, complete cds, RIKEN cDNA 0610011L04 gene, acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase), t-complex protein 1, related sequence 1
4074	21981	S75019	VV		DNA segment, Chr 18, Wayne State University 181, expressed, aldehyde dehydrogenase 7 family, member A1, aldehyde dehydrogenase family 1, subfamily A2
1791	15080	A1102045	MM, PPP, QQQ, TTT		DNA segment, Chr 2, ERATO Doi 485, expressed, Mus musculus, Similar to conserved gene amplified in osteosarcoma, clone MGC:38258 IMAGE:5324816, mRNA, complete cds, RIKEN cDNA 2610507E10 gene, RIKEN cDNA 2810418J22 gene, conserved gene amplified in osteosarcoma
3072	20305	NM_012532	N, V		DNA segment, Chr 3, ERATO Doi 555, expressed, ESTs, Weakly similar to A35210 ferroxidase (EC 1.16.3.1) precursor - rat [R.norvegicus], ESTs, Weakly similar to MOUSE CERULOPLASMIN PRECURSOR [M.musculus], ESTs, Weakly similar to KUHU ferroxidase [H.sapiens], ceruloplasmin, ceruloplasmin (ferroxidase), hephaestin
3566	10306	NM_030835	BB, CC		DNA segment, Chr 3, University of California at Los Angeles 1, ESTs, Moderately similar to stress-associated endoplasmic reticulum protein 1; ribosome asso, ribosome associated membrane protein 4 [Homo sapiens] [H.sapiens]
3566	10308	NM_030835	LL		DNA segment, Chr 3, University of California at Los Angeles 1, ESTs, Moderately similar to stress-associated endoplasmic reticulum protein 1; ribosome asso, ribosome associated membrane protein 4 [Homo sapiens] [H.sapiens]



Attorney Docket 44924-5038-01WO  
Document No. 1935828.1

**TABLE 3**

Seq ID	GLGC ID/No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
4151	1283	U61729	Z, AA, LL		DNA segment, Chr 4, Brigham & Women's Genetics 0593 expressed, ESTs, Moderately similar to JC4899 proline rich protein - rat [R.norvegicus], RIKEN cDNA 0610011E17 gene, hypothetical protein FLJ20312, proline rich 2
3607	16847	NM_031109	U, RR, FFF		DNA segment, Chr 4, ERATO Doi 429, expressed, EST, Weakly similar to 2113200G ribosomal protein S10 [H.sapiens], EST, Weakly similar to ribosomal protein S10 [H.sapiens], ESTs, Highly similar to 2113200G ribosomal protein S10 [H.sapiens], ESTs, Highly similar to RS10 RAT 40S RIBOSOMAL PROTEIN S10 [R.norvegicus], ESTs, Moderately similar to RIKEN cDNA 2210402A09 [Mus musculus] [M.musculus], RIKEN cDNA 2210402A09 gene, ribosomal protein S10
2966	1373	L24907	L		DNA segment, Chr 6, ERATO Doi 263, expressed, ESTs, Moderately similar to S50193 Ca2+/calmodulin-dependent protein kinase [EC 2.7.1.123] I - rat [R.norvegicus], ESTs, Weakly similar to KCC4 MOUSE CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE TYPE IV CATALYTIC CHAIN [M.musculus], calcium/calmodulin-dependent protein kinase I, expressed sequence AI505105, pregnancy upregulated non-ubiquitously expressed CaM kinase, serine/threonine kinase PSKH2
4019	23682	NM_144746	HH, SS		DNA segment, Chr 7, ERATO Doi 753, expressed, ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], ESTs, Moderately similar to 2ABA_HUMAN SERINE/THREONINE PROTEIN PHOSPHATASE 2A, 55 KDA REGULATORY SUBUNIT B, ALPHA ISOFORM [H.sapiens], RIKEN cDNA 1300017E19 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform, uncharacterized hematopoietic stem/progenitor cells protein MDS026
667	16434	AA894174	BBB, CCC		DNA segment, Chr 9, ERATO Doi 394, expressed, Mus musculus, Similar to electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II), clone MGC:6481 IMAGE:2646522, mRNA, complete cds, electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)



TABLE 3						Attorney Docket 44921-5038-01WO Document No. 1935928.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
667	16435	AA894174	J, M, U		DNA segment, Chr 9, ERATO Doi 394, expressed, Mus musculus, Similar to electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II), clone MGC:6481 IMAGE:2646522, mRNA, complete cds, electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)		
3499	21115	NM_022602	JJ, KK		DNA segment, Chr X, Celltech Chiroscience 3, Mus musculus, serine threonine kinase pim3, clone MGC:27707 IMAGE:4924687, mRNA, complete cds, pim-1 oncogene, pim-2 oncogene, proviral integration site 1		
2216	2532	A1176590	General Core Tox Markers		DNA segment, EST 1068184, ESTs, Highly similar to S68418 protein phosphatase 1M chain M110 isoform - rat [R.norvegicus], ESTs, Weakly similar to S68418 protein phosphatase 1M chain M110 isoform - rat (fragment) [R.norvegicus], ESTs, Weakly similar to T42713 ankyrin 3, splice form 1 - mouse [M.musculus], RIKEN cDNA 1810037O03 gene, leukocyte receptor cluster (LRC) member 3, protein phosphatase 1, regulatory (inhibitor) subunit 12A		
390	16318	AA859648	Q		DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily A, member 4, DnaJ (Hsp40) homolog, subfamily B, member 1, DnaJ (Hsp40) homolog, subfamily B, member 12, ESTs, Weakly similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to HSJ2_HUMAN DNAJ PROTEIN HOMOLOG 2 [H.sapiens], Homo sapiens cDNA FLJ13992 fis, clone Y79AA1002139, weakly similar to DNAJ PROTEIN HOMOLOG 1, RIKEN cDNA 1700014P03 gene, RIKEN cDNA 2010306G19 gene, RIKEN cDNA 5730551F12 gene, similar to MRJ gene for a member of the DNAJ protein family (H. sapiens)		

TABLE 3						
Seq ID	GLC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
100	6892	AA800551	Q		DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily A, member 4, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], ESTs, Moderately similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to DnaJ-like protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 730912, Mus musculus SEC63 (Sec63) mRNA, complete cds, similar to DnaJ	
3520	6891	NM_022934	C, Q, R, DD, EE		DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily A, member 4, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], ESTs, Moderately similar to DJA1_MOUSE DnaJ homolog subfamily A member 1 (Heat shock 40 kDa protein 4) (DnaJ protein homolog 2) (HSJ-2) [R.norvegicus], ESTs, Weakly similar to DnaJ-like protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 730912, Mus musculus SEC63 (Sec63) mRNA, complete cds, similar to DnaJ	
753	5003	AA924691	UU		DnaJ (Hsp40) homolog, subfamily A, member 1, DnaJ (Hsp40) homolog, subfamily B, member 6, DnaJ (Hsp40) homolog, subfamily C, member 7, DnaJ-like protein, ESTs, Highly similar to HS44 MOUSE HEAT SHOCK 40 KDA PROTEIN 4 [M.musculus], Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 730912, RIKEN cDNA 4930483N21 gene	
1727	5021	AI072308	RR		DnaJ (Hsp40) homolog, subfamily A, member 2, DnaJ (Hsp40) homolog, subfamily B, member 2, DnaJ (Hsp40) homolog, subfamily B, member 6, RIKEN cDNA 2810451A06 gene, RIKEN cDNA 4930483N21 gene, RIKEN cDNA 5730496F10 gene, expressed sequence AI506245	

TABLE 3				Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2587	8709	AI232534	ZZ		DnaJ (Hsp40) homolog, subfamily B, member 3, DnaJ (Hsp40) homolog, subfamily B, member 6, RIKEN cDNA 2810451A06 gene, expressed sequence AU020082
1022	5989	AA956907	MM, WW, TTT		DnaJ (Hsp40) homolog, subfamily C, member 8, Homo sapiens cDNA FLJ13613 fls, clone PLACE1010856, Homo sapiens mRNA; cDNA DKFZp434C2016 (from clone DKFZp434C2016), hypothetical protein DKFZp434B227
1022	5990	AA956907	L		DnaJ (Hsp40) homolog, subfamily C, member 8, Homo sapiens cDNA FLJ13613 fls, clone PLACE1010856, Homo sapiens mRNA; cDNA DKFZp434C2016 (from clone DKFZp434C2016), hypothetical protein DKFZp434B227
995	23272	AA955819	X, Y, WW		down-regulated in lung cancer
1518	23273	AI030738	VV, WW		down-regulated in lung cancer
1884	24375	AI104979	General Core Tox Markers		EBNA1 binding protein 2, ESTs, Moderately similar to EBNA1 binding protein 2; nucleolar protein p40; homolog of yeast EBNA1-binding protein; nuclear FGF3 binding protein; EBNA1-binding protein 2 [Homo sapiens] [H.sapiens]
3508	17586	NM_022694	KK		EBNA-2 co-activator (100kD), ESTs, Moderately similar to I38968 100 kDa coactivator [H.sapiens], staphylococcal nuclease domain containing 1
3404	20057	NM_019370	F, XX, YY		ectonucleotide pyrophosphatase/phosphodiesterase 1, ectonucleotide pyrophosphatase/phosphodiesterase 3
1049	16577	AA963286	V		EGL nine homolog 2 (C. elegans), EGL nine homolog 3 (C. elegans), ESTs, Weakly similar to A53770 growth factor-responsive protein, vascular smooth muscle - rat [R.norvegicus], Mus musculus, Similar to EGL nine homolog 3 (C. elegans), clone MGC:36685 IMAGE:5371854, mRNA, complete cds, egl nine homolog 2 (C. elegans), egl nine homolog 3 (C. elegans)
2611	14103	AI233172	GCG, LLL, RRR, SSS, UUU, General Core Tox Markers		EH domain-binding mitotic phosphoprotein, ESTs, Weakly similar to A Chain A, Crystal Structure Of The Epsin N-Terminal Homology (Entn) Domain At 1.56 Angstrom Resolution [R.norvegicus], Homo sapiens, Similar to epsin 3, clone MGC:1006 IMAGE:3505495, mRNA, complete cds, epsin 2, epsin 3

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	GLCC ID No.	GenBank Accession RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
4013	19150	NM_139324	V, UU, General Alternate		EH-domain containing 4, ESTs, Highly similar to intersectin 2 [Homo sapiens] [H.sapiens], SH3 domain protein 1B, expressed sequence AI197390, intersectin (SH3 domain protein 1A), intersectin 1 (SH3 domain protein)			
561	19226	AA892394	ZZ, AAA		ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D), ESTs, Highly similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus], ESTs, Moderately similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus]			
561	19227	AA892394	HH		ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D), ESTs, Highly similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus], ESTs, Moderately similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus]			
775	10666	AA925212	SS, ZZ, AAA		ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B), ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D), ESTs, Highly similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D) [R.norvegicus], ESTs, Moderately similar to ELV4_RAT ELAV-like protein 4 (Paraneoplastic encephalomyelitis antigen HuD) (Hu-antigen D)			
2331	17358	AI179147	PP, QQ		[R.norvegicus], ESTs, Moderately similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], ESTs, Weakly similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], RIKEN cDNA 4932702K14 gene, poly A binding protein, cytoplasmic 1, poly(A) binding protein, cytoplasmic 4 (inducible form)			
2205	17920	AI176422	II		electron-transfer-flavoprotein, beta polypeptide			
					electron-transferring-flavoprotein dehydrogenase			

Attorney Docket 4921-5038-01WO  
Document No. 1935828.1

Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2762	17922	AI237007	M		electron-transferring-flavoprotein dehydrogenase
1540	7913	AI043849	DD, EE, WW		ELL-related RNA polymerase II, elongation factor, ESTs, Weakly similar to ELL MOUSE RNA POLYMERASE II ELONGATION FACTOR ELL [M.musculus], Mus musculus, clone IMAGE:3583970, mRNA, partial cds, RIKEN cDNA 9430098E02 gene, eleven-nineteen lysine-rich leukemia gene, hypothetical protein FLJ22637
2633	7243	AI23717	General Core Tox Markers		embryonic ectoderm development
3180	18695	NM_012931	T, III, JJJ, KKK, General Alternate		enhancer of filamentation 1 (cas-like docking; Crk-associated substrate related), expressed sequence AI385681, neural precursor cell expressed, developmentally down-regulated gene 9, signal transduction protein (SH3 containing), v-crk-associated tyrosine kinase substrate
2003	14962	AI169171	GGG		enhancer of rudimentary homolog (Drosophila)
3855	16190	NM_053961	U, FF, BBB		Enoyl-CoA hydratase, short chain 1, mitochondrial, Homo sapiens hepatocellular carcinoma-associated antigen 64 (HCA64) mRNA, complete cds, RIKEN cDNA 1300014E15 gene, RIKEN cDNA 1300017C12 gene, RIKEN cDNA 1810022C23 gene, RIKEN cDNA 2010015A21 gene, RIKEN cDNA 4930453I21 gene, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, hypothetical protein FLJ10948, peroxisomal delta3, delta2-enoyl-Coenzyme A isomerase
564	23194	AA892417	I, J, W		ephrin A1, ephrin-A1
3569	21509	NM_030847	O, P		epithelial membrane protein 3
462	11889	AA875641	SS		EPS8 related protein 2, epidermal growth factor receptor pathway substrate 8 related protein 1, epidermal growth factor receptor pathway substrate 8 related protein 3
3482	8597	NM_022538	BB, CC, NN, OO, QQ, ZZ, AAA		ER transmembrane protein Dri 42, RIKEN cDNA 1810019D05 gene, phosphatidic acid phosphatase 2a, phosphatidic acid phosphatase type 2A, phosphatidic acid phosphatase type 2B, phosphatidic acid phosphatase type 2C, phosphatidic acid phosphatase type 2c

TABLE 3					Human Homologous Sequence Cluster Title	
Seq ID	GLGC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
3597	4683	NM_031083	N, Z, AA		EST AA437822, Homo sapiens, Similar to phosphatidylinositol 4-kinase, catalytic, alpha polypeptide, clone MGC:31920 IMAGE:4565073, mRNA, complete cds, phosphatidylinositol 4-kinase, catalytic, alpha polypeptide, clone MGC:31920 IMAGE:4565073, mRNA, complete cds, phosphatidylinositol 4-kinase, catalytic, beta polypeptide, phosphoinositide-3-kinase, catalytic, gamma polypeptide	EST AA437822, Homo sapiens, Similar to phosphatidylinositol 4-kinase, catalytic, alpha polypeptide, clone MGC:31920 IMAGE:4565073, mRNA, complete cds, phosphatidylinositol 4-kinase, catalytic, alpha polypeptide, clone MGC:31920 IMAGE:4565073, mRNA, complete cds, phosphatidylinositol 4-kinase, catalytic, beta polypeptide, phosphoinositide-3-kinase, catalytic, gamma polypeptide
3527	15743	NM_022958	HH		EST AA437822, Mus musculus, Similar to phosphatidylinositol 3-kinase, clone MGC:30377 IMAGE:3661094, mRNA, complete cds, phosphoinositide-3-kinase, catalytic, gamma polypeptide, phosphoinositide-3-kinase, class 3	EST AA437822, Mus musculus, Similar to phosphatidylinositol 3-kinase, clone MGC:30377 IMAGE:3661094, mRNA, complete cds, phosphoinositide-3-kinase, catalytic, gamma polypeptide, phosphoinositide-3-kinase, class 3
3595	24508	NM_031073	UU, KKK		EST AI316846, neurotrophin 3	EST AI316846, neurotrophin 3
1333	15627	A1009810	CCC		EST AI317031, EST, Weakly similar to R3HU16 ribosomal protein S16, cytosolic [H.sapiens], expressed sequence AA420385, ribosomal protein S16	EST AI317031, EST, Weakly similar to R3HU16 ribosomal protein S16, cytosolic [H.sapiens], expressed sequence AA420385, ribosomal protein S16
1404	21796	A1012221	II, OO, VV		EST X83352, ESTs, Weakly similar to intracellular chloride ion channel protein p64H1 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 5730531E12 gene, chloride intracellular channel 1, chloride intracellular channel 3, chloride intracellular channel 4 (mitochondrial), intracellular chloride ion channel protein p64H1	EST X83352, ESTs, Weakly similar to intracellular chloride ion channel protein p64H1 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 5730531E12 gene, chloride intracellular channel 1, chloride intracellular channel 3, chloride intracellular channel 4 (mitochondrial), intracellular chloride ion channel protein p64H1
3490	12606	NM_022547	O, P, NN, OO, VV, EEE, III, JJJ, MMM, General Alternate		EST, Highly similar to 10-formyltetrahydrofolate dehydrogenase [Rattus norvegicus], EST, Highly similar to FTDH_HUMAN 10-FORMYL-TETRAHYDROFOLATE DEHYDROGENASE [H.sapiens], ESTs, Moderately similar to 10-formyltetrahydrofolate dehydrogenase [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to FTDH_HUMAN 10-FORMYL-TETRAHYDROFOLATE DEHYDROGENASE [H.sapiens], RIKEN cDNA 1810048F20 gene, RIKEN cDNA 2310020P08 gene, aldehyde dehydrogenase family 1, subfamily A7, formyltetrahydrofolate dehydrogenase	EST, Highly similar to 10-formyltetrahydrofolate dehydrogenase [Rattus norvegicus], EST, Highly similar to FTDH_HUMAN 10-FORMYL-TETRAHYDROFOLATE DEHYDROGENASE [H.sapiens], ESTs, Moderately similar to 10-formyltetrahydrofolate dehydrogenase [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to FTDH_HUMAN 10-FORMYL-TETRAHYDROFOLATE DEHYDROGENASE [H.sapiens], RIKEN cDNA 1810048F20 gene, RIKEN cDNA 2310020P08 gene, aldehyde dehydrogenase family 1, subfamily A7, formyltetrahydrofolate dehydrogenase
3113	7101	NM_012679	II, TT		EST, Highly similar to Clusterin; Testosterone-repressed prostate message 2 [Rattus norvegicus] [R.norvegicus], clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J)	EST, Highly similar to Clusterin; Testosterone-repressed prostate message 2 [Rattus norvegicus] [R.norvegicus], clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipoprotein J)



Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

TABLE 3

Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3945	9571	NM_133540	AA		EST, Highly similar to lens intrinsic membrane protein 2 (19 kDa) [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to LIMP MOUSE LENS FIBER MEMBRANE INTRINSIC PROTEIN [M.musculus], lens intrinsic membrane protein 2 (19 kDa), lens intrinsic membrane protein 2 (19kD), natural killer cell group 7 sequence
2106	5339	AI171727	MM, III, JJ, KKK, TTT		EST, Highly similar to 1903270A phenylethanolamine N-methyltransferase [M.musculus], ESTs, Weakly similar to 1617160A phenylethanolamine N-methyltransferase [Rattus norvegicus] [R.norvegicus], Phenylethanolamine N-methyltransferase, nicotinamide N-methyltransferase, thioether S-methyltransferase
1375	3693	AI011448	GG		EST, Highly similar to A49128 cell-fate determining gene Notch2 protein - rat [R.norvegicus], EST, Weakly similar to A40043 notch protein homolog TAN-1 precursor [H.sapiens], EST, Weakly similar to S78549 notch3 protein [H.sapiens], Notch homolog 2 (Drosophila)
3387	10015	NM_019289	B, I, J, O, P, NN, OO, VV		EST, Highly similar to AR41_HUMAN ARP2/3 COMPLEX 41 KDA SUBUNIT [H.sapiens], actin related protein 2/3 complex, subunit 1B (41 kD), actin related protein 2/3 complex, subunit 1B (41 kDa)
3387	10016	NM_019289	A, O, NN, OO, VV		EST, Highly similar to AR41_HUMAN ARP2/3 COMPLEX 41 KDA SUBUNIT [H.sapiens], actin related protein 2/3 complex, subunit 1B (41 kD), actin related protein 2/3 complex, subunit 1B (41 kDa)
2853	179	D17809	GG, WW		EST, Highly similar to BETA-1.4 N-ACETYLGLACTOSAMINYLTRANSFERASE [M.musculus], RIKEN cDNA 4933429D13 gene, UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosyl-N-acetylglucosaminyl/polypeptide-beta-1, 4-N-acetylglactosaminyltransferase, UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucosylceramide N-acetylglactosaminyltransferase (GalNAc-T), UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucosylceramide-beta-1, 4-N-acetylglactosaminyltransferase



TABLE 3						
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous (Known Gene Name)	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
3590	15138	NM_031051	G, H, Y		EST, Highly similar to C Chain C, Macrophage Migration Inhibitory Factor [H.sapiens], EST, Moderately similar to C Chain C, Macrophage Migration Inhibitory Factor [H.sapiens], EST, Moderately similar to MIF_RAT Macrophage migration inhibitory factor (MIF) (Phenylpyruvate tautomerase) (Glutathione-binding 13 kDa protein) [R.norvegicus], ESTs, Moderately similar to MIF_HUMAN MACROPHAGE MIGRATION INHIBITORY FACTOR [H.sapiens], macrophage migration inhibitory factor, macrophage migration inhibitory factor (glycosylation-inhibiting factor)	EST, Highly similar to C Chain C, Macrophage Migration Inhibitory Factor [H.sapiens], EST, Moderately similar to C Chain C, Macrophage Migration Inhibitory Factor [H.sapiens], EST, Moderately similar to MIF_RAT Macrophage migration inhibitory factor (MIF) (Phenylpyruvate tautomerase) (Glutathione-binding 13 kDa protein) [R.norvegicus], ESTs, Moderately similar to MIF_HUMAN MACROPHAGE MIGRATION INHIBITORY FACTOR [H.sapiens], macrophage migration inhibitory factor, macrophage migration inhibitory factor (glycosylation-inhibiting factor)
1833	13305	AI103332	E		EST, Highly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], EST, Weakly similar to CA1B_MOUSE COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [M.musculus], EST, Weakly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], ESTs, Highly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], ESTs, Weakly similar to CA1B_MOUSE COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [M.musculus], RIKEN cDNA 2310047H23 gene, RIKEN cDNA 4933424A20 gene, procollagen, type XI, alpha 1	EST, Highly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], EST, Weakly similar to CA1B_MOUSE COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [M.musculus], EST, Weakly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], ESTs, Highly similar to CA1B_HUMAN COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [H.sapiens], ESTs, Weakly similar to CA1B_MOUSE COLLAGEN ALPHA 1(XI) CHAIN PRECURSOR [M.musculus], RIKEN cDNA 2310047H23 gene, RIKEN cDNA 4933424A20 gene, procollagen, type XI, alpha 1
3028	24662	M59786	V		EST, Highly similar to CCAC_RAT Voltage-dependent L-type calcium channel alpha-1C subunit (Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle) (RAT brain class C) (RBC) [R.norvegicus], ESTs, Highly similar to CCAC_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1C SUBUNIT [H.sapiens], ESTs, Highly similar to CCAD_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1D SUBUNIT [H.sapiens], Mus musculus putative ion channel protein CATSPER2 mRNA, complete cds, calcium channel, voltage-dependent, L type, alpha 1C subunit	EST, Highly similar to CCAC_RAT Voltage-dependent L-type calcium channel alpha-1C subunit (Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle) (RAT brain class C) (RBC) [R.norvegicus], ESTs, Highly similar to CCAC_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1C SUBUNIT [H.sapiens], ESTs, Highly similar to CCAD_HUMAN VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1D SUBUNIT [H.sapiens], Mus musculus putative ion channel protein CATSPER2 mRNA, complete cds, calcium channel, voltage-dependent, L type, alpha 1C subunit
3024	1246	M57507	A, B, M, FFF, HHH, KKK, NNN, OOO, General Core Tox Markers		EST, Highly similar to CYG2_HUMAN GUANYLATE CYCLASE SOLUBLE, BETA-2 CHAIN [H.sapiens], guanylate cyclase 1, soluble, beta 2, guanylate cyclase 1, soluble, beta 3	EST, Highly similar to CYG2_HUMAN GUANYLATE CYCLASE SOLUBLE, BETA-2 CHAIN [H.sapiens], guanylate cyclase 1, soluble, beta 2, guanylate cyclase 1, soluble, beta 3

TABLE 3						
Attorney Docket 44921-5033-01WO Document No. 1935828.1						
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1620	8584	AI058911	A, B, EEE, MMM		EST, Highly similar to FIBA_RAT Fibrinogen alpha/alpha-E chain precursor [R.norvegicus], Homo sapiens clone HQ0582, angiotensin-like 3, expressed sequence AI0303526, fibrinogen, A alpha polypeptide, fibrinogen, alpha polypeptide, fibrinogen, gamma polypeptide	
1536	7891	AI043759	N		EST, Highly similar to FIBA_RAT Fibrinogen alpha/alpha-E chain precursor [R.norvegicus], Homo sapiens clone HQ0582, Mus musculus, Similar to angiotensin-like factor, clone MGC:32448 IMAGE:5043159, mRNA, complete cds, angiotensin, expressed sequence AI0303526, fibrinogen, A alpha polypeptide, fibrinogen, alpha polypeptide, fibrinogen, gamma polypeptide	
2449	7892	AI229172	N		EST, Highly similar to FIBA_RAT Fibrinogen alpha/alpha-E chain precursor [R.norvegicus], Homo sapiens clone HQ0582, Mus musculus, Similar to angiotensin-like factor, clone MGC:32448 IMAGE:5043159, mRNA, complete cds, angiotensin, expressed sequence AI0303526, fibrinogen, A alpha polypeptide, fibrinogen, alpha polypeptide, fibrinogen, gamma polypeptide	
3224	22582	NM_013120	A, B, G, S, GGG, OOO, General Core Tox Markers		EST, Highly similar to GCKR RAT GLUCOKINASE REGULATORY PROTEIN [R.norvegicus], Mus musculus, Similar to Glucokinase regulatory protein, clone MGC:19300 IMAGE:4159892, mRNA, complete cds, glucokinase (hexokinase 4) regulatory protein	
3232	16448	NM_013197	M, T		EST, Highly similar to HEM0_RAT 5-AMINOLEVULINIC ACID SYNTHASE, ERYTHROID-SPECIFIC, MITOCHONDRIAL PRECURSOR (DELTA-AMINOLEVULINATE SYNTHASE) (DELTA-ALA SYNTHETASE) (ALAS-E) [R.norvegicus], ESTs, Highly similar to SYHUA5 5-aminolevulinate synthase [H.sapiens], aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia), aminolevulinic acid synthase 1, aminolevulinic acid synthase 2, erythroid, glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase), glycine C-acetyltransferase (2-amino-3-ketobutyrate-coenzyme A ligase)	

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935828.1						
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1255	15848	AI007820	J, K, FF		EST, Highly similar to HS9B MOUSE HEAT SHOCK PROTEIN HSP 90-BETA [M.musculus], EST, Weakly similar to HHMS84 heat shock protein 84 - mouse [M.musculus], ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to T46243 hypothetical protein DKFP761K0511.1 [H.sapiens], expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1	
1267	15849	AI008074	XX, YY		EST, Highly similar to HS9B MOUSE HEAT SHOCK PROTEIN HSP 90-BETA [M.musculus], EST, Weakly similar to HHMS84 heat shock protein 84 - mouse [M.musculus], ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to T46243 hypothetical protein DKFP761K0511.1 [H.sapiens], expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1	
2753	15850	AI236795	F, J, S, RR		EST, Highly similar to HS9B MOUSE HEAT SHOCK PROTEIN HSP 90-BETA [M.musculus], EST, Weakly similar to HHMS84 heat shock protein 84 - mouse [M.musculus], ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to T46243 hypothetical protein DKFP761K0511.1 [H.sapiens], expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1	
705	10555	AA900198	General Core Tox Markers, General Alternate		EST, Highly similar to I53960 PRR2 alpha [H.sapiens]	
2386	22835	AI180367	MM, TTT		EST, Highly similar to IM10_RAT MITOCHONDRIAL IMPORT INNER MEMBRANE TRANSLOCASE SUBUNIT TIM10 [R.norvegicus], translocase of inner mitochondrial membrane 10 homolog (yeast), translocase of inner mitochondrial membrane 13 homolog a (yeast)	

Attorney Docket 44921-5038-01W0  
Document No. 1935828.1

Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Description
3485	9296	NM_022541	LLL			EST, Highly similar to IM8B_MOUSE Mitochondrial import inner membrane translocase subunit TIM8 B (Deafness dystonia protein 2 homolog) [R.norvegicus], translocase of inner mitochondrial membrane 8 homolog B (yeast), translocase of inner mitochondrial membrane 8 homolog b (yeast)
3862	19544	NM_053982	KK			EST, Highly similar to JC2234 ribosomal protein S15a, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RS1A_HUMAN 40S RIBOSOMAL PROTEIN S15A [H.sapiens], Homo sapiens cDNA FLJ13026 fs, clone NT2RP3000968, moderately similar to 40S RIBOSOMAL PROTEIN S15A
3862	15468	NM_053982	F			EST, Highly similar to JC2234 ribosomal protein S15a, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RS1A_HUMAN 40S RIBOSOMAL PROTEIN S15A [H.sapiens], ribosomal protein S15a
548	24295	AA892260	R			EST, Highly similar to JC5386 steroidogenic acute regulatory protein - rat [R.norvegicus], Homo sapiens, clone IMAGE:3855224, mRNA, partial cds, testis expressed gene 261
4036	16963	NM_147214	F, SS, NNN			EST, Highly similar to JH0628 caldesmon [H.sapiens], ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], ESTs, Weakly similar to JC5314 CDC28/cdc2-like kinase associating arginine-serine cyclophilin [H.sapiens], Mus musculus, Similar to Caldesmon 1, clone MGC:30319 IMAGE:5148205, mRNA, complete cds, RIKEN cDNA 2410004D02 gene, RIKEN cDNA 4833423D12 gene, caldesmon 1, major urinary protein 4, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform
2716	11465	AI236084	JJ			EST, Highly similar to JT0752 lymphocyte activation-induced receptor ILA precursor [H.sapiens], tumor necrosis factor receptor superfamily, member 9

TABLE 3						
Seq ID	CLCG ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
1940	5559	AI136892	L		EST, Highly similar to KF1D_RAT Kinesin-like protein KIF1D [R.norvegicus], ESTs, Highly similar to KF1C_HUMAN KINESIN-LIKE PROTEIN KIF1C [H.sapiens], ESTs, Weakly similar to KF1C_HUMAN KINESIN-LIKE PROTEIN KIF1C [H.sapiens], ESTs, Weakly similar to KINESIN-LIKE PROTEIN KIF1A [M.musculus], ESTs, Weakly similar to RB6K MOUSE RABKINESIN-6 [M.musculus], KIAA1448 protein, Mus musculus kif1C mRNA for kinesin superfamily protein 1C, complete cds, RIKEN cDNA 30000004C01 gene, Rab6, kinesin-like, kinesin 13B, kinesin family member 13B, kinesin family member 1C	EST, Highly similar to M2GD_HUMAN DIMETHYLGLYCINE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Weakly similar to DIMETHYLGLYCINE DEHYDROGENASE PRECURSOR [R.norvegicus], RIKEN cDNA 1200014D15 gene, dimethylglycine dehydrogenase precursor, expressed sequence AW495222, hypothetical protein FLJ10079
482	2753	AA891589	RR		EST, Highly similar to M2GD_HUMAN DIMETHYLGLYCINE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Weakly similar to DIMETHYLGLYCINE DEHYDROGENASE PRECURSOR [R.norvegicus], RIKEN cDNA 1200014D15 gene, dimethylglycine dehydrogenase precursor, expressed sequence AW495222, hypothetical protein FLJ10079, sarcosine dehydrogenase	EST, Highly similar to MYHA_RAT Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [R.norvegicus], ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], Homo sapiens cDNA: FLJ23324 fis, clone HEP12482, highly similar to HUMMYOHC Human nonmuscle myosin heavy chain-B (MYH10) mRNA, Myosin heavy chain 11, RIKEN cDNA 5730504C04 gene, laminin, gamma 1
4004	17684	NM_139102	F, G, NN, OO, General Alternate			
1300	21838	AI009131	C, General Alternate			

Attorney Docket 44921-5038-01WO

Document No. 1935828.1

TABLE 3						
Seq ID	CLCG ID No.	Genbank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
4278	18031	X94551	RR		EST, Highly similar to MYHA_RAT Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [R.norvegicus], ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], Homo sapiens cDNA: FLJ23324 fis, clone HEP12482, highly similar to HUMMYOHC Human nonmuscle myosin heavy chain-B (MYH10) mRNA, Myosin heavy chain 11, RIKEN cDNA 5730504C04 gene, laminin, gamma 1	EST, Highly similar to MYHA_RAT Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [R.norvegicus], ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], Homo sapiens cDNA: FLJ23324 fis, clone HEP12482, highly similar to HUMMYOHC Human nonmuscle myosin heavy chain-B (MYH10) mRNA, Myosin heavy chain 11, RIKEN cDNA 5730504C04 gene, laminin, gamma 1
370	21025	AA859241	III, JJJ, OOO, General Core Tox Markers		EST, Highly similar to OM25_RAT MITOCHONDRIAL OUTER MEMBRANE PROTEIN 25 (NPW16) [R.norvegicus], EST, Weakly similar to OM25_RAT Mitochondrial outer membrane protein 25 (NPW16) [R.norvegicus], hypothetical protein FLJ11271, synaptotagmin 2 binding protein	EST, Highly similar to OM25_RAT MITOCHONDRIAL OUTER MEMBRANE PROTEIN 25 (NPW16) [R.norvegicus], EST, Weakly similar to OM25_RAT Mitochondrial outer membrane protein 25 (NPW16) [R.norvegicus], hypothetical protein FLJ11271, synaptotagmin 2 binding protein
2368	9032	AI179950	K, TT, LLL, SSS, UUU		EST, Highly similar to PSA7_HUMAN PROTEASOME SUBUNIT ALPHA TYPE 7 (PROTEASOME SUBUNIT RC6-1) (PROTEASOME SUBUNIT XAPC7) [H.sapiens], EST, Highly similar to S60038 multicatalytic endopeptidase complex (EC 3.4.99.46) alpha chain RC6-I - rat [R.norvegicus], Homo sapiens, similar to Proteasome subunit alpha type 7 (Proteasome subunit RC6-1), clone MGC:26605 IMAGE:4829939, mRNA, complete cds, RIKEN cDNA 2410072D24 gene, proteasome (prosome, macropain) subunit, alpha type 7, proteasome (prosome, macropain) subunit, alpha type, 7	EST, Highly similar to PSA7_HUMAN PROTEASOME SUBUNIT ALPHA TYPE 7 (PROTEASOME SUBUNIT RC6-1) (PROTEASOME SUBUNIT XAPC7) [H.sapiens], EST, Highly similar to S60038 multicatalytic endopeptidase complex (EC 3.4.99.46) alpha chain RC6-I - rat [R.norvegicus], Homo sapiens, similar to Proteasome subunit alpha type 7 (Proteasome subunit RC6-1), clone MGC:26605 IMAGE:4829939, mRNA, complete cds, RIKEN cDNA 2410072D24 gene, proteasome (prosome, macropain) subunit, alpha type 7, proteasome (prosome, macropain) subunit, alpha type, 7
2520	20845	AI231140	X, Y, AA, TT		EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a	EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a

TABLE 3						
Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2520	20846	AI231140	N, XX, YY		EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a	Attorney Docket 44921-5038-01WO Document No. 1935828.1
4248	20844	X65228	General Alternate		EST, Highly similar to R3RT3A ribosomal protein L23a, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to E54024 protein kinase [H.sapiens], ESTs, Highly similar to 60S RIBOSOMAL PROTEIN L23A [R.norvegicus], ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [H.sapiens], Mus musculus, ribosomal protein L23a, clone IMAGE:4988735, mRNA, partial cds, ribosomal protein L23a	
580	15876	AA892582	F, G, H		EST, Highly similar to RL8_HUMAN 60S ribosomal protein L8 [R.norvegicus], EST, Weakly similar to JN0923 ribosomal protein L8, cytosolic [H.sapiens], ESTs, Highly similar to R5RTL8 ribosomal protein L8, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], ESTs, Moderately similar to RL8_HUMAN 60S RIBOSOMAL PROTEIN L [M.musculus], expressed sequence AL024098, ribosomal protein L8	



TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
284	14324	AA850402	E		EST, Highly similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], ESTs, Highly similar to POL2 MOUSE RETROVIRUS-RELATED POL POLYPROTEIN [M.musculus], ESTs, Highly similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], ESTs, Moderately similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], Homo sapiens cDNA: FLJ22714 fis, clone HSI13646, Homo sapiens mRNA; cDNA DKFZp547C014 (from clone DKFZp547C014), Human kpni repeat mna (cdna clone pcd-kpni-8), 3' end, Mus musculus, Similar to hypothetical protein FLJ10134, clone MGC:25912 IMAGE:4221959, mRNA, complete cds, RIKEN cDNA 4933411E06 gene, RIKEN cDNA 6820402119 gene, colon and small intestine-specific cysteine-rich protein precursor, smooth muscle cell-expressed and macrophage conditioned medium-induced protein smag-64	
2376	12568	AI180044	RR		EST, Highly similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], ESTs, Highly similar to POL2 MOUSE RETROVIRUS-RELATED POL POLYPROTEIN [M.musculus], ESTs, Highly similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], ESTs, Moderately similar to S21348 probable pol polyprotein-related protein 4 - rat [R.norvegicus], Homo sapiens cDNA: FLJ22714 fis, clone HSI13646, Homo sapiens mRNA; cDNA DKFZp547C014 (from clone DKFZp547C014), Human kpni repeat mna (cdna clone pcd-kpni-8), 3' end, Mus musculus, Similar to hypothetical protein FLJ10134, clone MGC:25912 IMAGE:4221959, mRNA, complete cds, RIKEN cDNA 4933411E06 gene, RIKEN cDNA 6820402119 gene, colon and small intestine-specific cysteine-rich protein precursor, smooth muscle cell-expressed and macrophage conditioned medium-induced protein smag-64	

TABLE 3					
Seq ID	CLC ID No.	GenBank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2523	21816	AI231217	L		EST, Highly similar to S611_HUMAN Protein transport protein Sec61 alpha subunit isoform 1 (Sec61 alpha-1) [R.norvegicus], ESTs, Highly similar to S611_HUMAN Protein transport protein Sec61 alpha subunit isoform 1 (Sec61 alpha-1) [R.norvegicus], SEC61, alpha subunit (S. cerevisiae), SEC61, alpha subunit 2 (S. cerevisiae), Sec61 alpha form 2, protein transport protein SEC61 alpha subunit isoform 1
1286	344	AI008865	UU, III, JJJ		EST, Highly similar to STA3_RAT Signal transducer and activator of transcription 3 [R.norvegicus], signal transducer and activator of transcription 3, signal transducer and activator of transcription 3 (acute-phase response factor)
1225	18072	AF026529	FF		EST, Highly similar to STN4_MOUSE Stathmin 4 (Stathmin-like protein B3) (RB3) [R.norvegicus], stathmin-like 4
614	3439	AA893000	N, U, BBB		EST, Highly similar to T00335 hypothetical protein KIAA0564 [H.sapiens], KIAA0564 protein
1105	15885	AA965207	C		EST, Highly similar to T14795 hypothetical protein DKFZp434E171.1 [H.sapiens] EST, Highly similar to TERA HUMAN [H.sapiens], EST, Moderately similar to PEX1_HUMAN PEROXISOME BIOGENESIS FACTOR 1 [H.sapiens], EST, Weakly similar to T46437 hypothetical protein DKFZp434K0126.1 [H.sapiens], ESTs, Weakly similar to T46437 hypothetical protein DKFZp434K0126.1 [H.sapiens], ESTs, Weakly similar to TERA MOUSE TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], ESTs, Weakly similar to TERA_RAT TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE (TER ATPASE) (15S MG(2+)-ATPASE P97 SUBUNIT) (VALOSIN CONTAINING PROTEIN) (VCP) [CONTAINS: VALOSIN] [R.norvegicus]
1010	25112	AA956437	BB, CC		EST, Moderately similar to acidic ribosomal protein P0 [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to acidic ribosomal protein P0 [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to RLA0_MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P0 [M.musculus], ESTs, Highly similar to RLA0_MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P0 [M.musculus], ESTs, Highly similar to RLA0_HUMAN 60S ACIDIC RIBOSOMAL PROTEIN P0 [H.sapiens], RIKEN cDNA 2610025P08 gene, acidic ribosomal phosphoprotein P0, ribosomal protein, large, P0
3471	1069	NM_022402	V, CC, LL, DDD		

TABLE 3						
Seq ID	GLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
716	3822	AA900863	OOO, General Core Tox Markers		EST, Moderately similar to HLA-B-associated transcript 1A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bat1 [Mus musculus] [M.musculus], EST, Weakly similar to HE47_RAT Probable ATP-dependent RNA helicase p47 [R.norvegicus], ESTs, Moderately similar to IF41_HUMAN EUKARYOTIC INITIATION FACTOR 4A-I [M.musculus], ESTs, Weakly similar to HE47 RAT PROBABLE ATP-DEPENDENT RNA HELICASE P47 [R.norvegicus], HLA-B-associated transcript 1A, RIKEN cDNA 2410004K13 gene, RIKEN cDNA 2600001H07 gene, RIKEN cDNA 2610307C23 gene, eukaryotic translation initiation factor 4A, isoform 1, eukaryotic translation initiation factor 4A1	Attorney Docket 44921-5038-01WO Document No. 1935328.1
2609	3823	AI233147	FFF, GGG, HHH, General Core Tox Markers		EST, Moderately similar to HLA-B-associated transcript 1A; DNA segment, Chr 17, human D6S81E 1; nuclear RNA helicase Bat1 [Mus musculus] [M.musculus], EST, Weakly similar to HE47_RAT Probable ATP-dependent RNA helicase p47 [R.norvegicus], ESTs, Moderately similar to IF41_HUMAN EUKARYOTIC INITIATION FACTOR 4A-I [M.musculus], ESTs, Weakly similar to HE47 RAT PROBABLE ATP-DEPENDENT RNA HELICASE P47 [R.norvegicus], HLA-B-associated transcript 1A, RIKEN cDNA 2410004K13 gene, RIKEN cDNA 2600001H07 gene, RIKEN cDNA 2610307C23 gene, eukaryotic translation initiation factor 4A, isoform 1, eukaryotic translation initiation factor 4A1	
3591	11899	NM_031052	OOO		EST, Moderately similar to mitochondrial intermediate peptidase [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 5730405E07 gene, mitochondrial intermediate peptidase, thimet oligopeptidase 1	
124	23115	AA801165	II		EST, Moderately similar to RIKEN cDNA 1700113O17 [Mus musculus] [M.musculus], H2A histone family, member L, Homo sapiens, clone MGC:21597 IMAGE:4511035, mRNA, complete cds, Mus musculus, similar to H2A histone family, member O, clone MGC:36202 IMAGE:5055276, mRNA, complete cds, expressed sequence R75370	
3616	15487	NM_031137	Q, R, PPP, QQQ		EST, Moderately similar to tripeptidylpeptidase II [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TRIPEPTIDYL-PEPTIDASE II [M.musculus], tripeptidyl peptidase II	

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	
3616	15489	NM_031137	Q, R, PP, QQ, WW, ZZ, AAA		EST, Moderately similar to tripeptidylpeptidase II [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TRIPEPTIDYL-PEPTIDASE II [M.musculus], tripeptidyl peptidase II
1836	14981	AI103396	N, MM, TTT		EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens]
2332	14983	AI179150	F, S, HH, SS		EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens]
345	14987	AA858640	G, H, U		EST, Moderately similar to 0806162B cytochrome b [M.musculus], EST, Moderately similar to 810024B cytochrome b [H.sapiens], EST, Weakly similar to 0806162B cytochrome b [M.musculus], EST, Weakly similar to 0812187A cytochrome b [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to 810024M URF 6 [H.sapiens], ESTs, Highly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Moderately similar to CH60 MOUSE 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [M.musculus], ESTs, Weakly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], heat shock 60kD protein 1 (chaperonin), heat shock protein, 60 kDa
294	16132	AA850885	E, S, T, HH, INN		EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 0806162C cytochrome oxidase I [H.sapiens], ESTs, Moderately similar to 810024C cytochrome oxidase I [M.musculus] [M.musculus], ESTs, Weakly similar to 0806162C protein COI [M.musculus]

Attorney Docket 44921-5038-01WO  
Document No. 193538.1

TABLE 3		Human Homologous Sequence Cluster Title		Human Homologous Known Gene Name		Model Code		GenBank Acc or RefSeq ID		Seq ID	
2920	16130	J01435			F, DD, EE, HH, NNN						EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 0806162C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus]
3779	16134	NM_053516			III, JJJ						EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus]
3779	16135	NM_053516			L, S, DD, EE, HH						EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus]
4080	16131	S79304			LL, YY						EST, Moderately similar to 0806162C protein COI [M.musculus], EST, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], EST, Weakly similar to 0806162C protein COI [M.musculus], ESTs, Moderately similar to 810024C cytochrome oxidase I [H.sapiens], ESTs, Weakly similar to 0806162C protein COI [M.musculus]
386	17142	AA859612			J, LL						EST, Moderately similar to 0806162J protein URF4 [M.musculus], EST, Moderately similar to 810024J URF 4 [H.sapiens], EST, Weakly similar to 0806162J protein URF4 [M.musculus], EST, Weakly similar to 810024J URF 4 [H.sapiens], ESTs, Moderately similar to 0806162J protein URF4 [M.musculus], ESTs, Moderately similar to 810024J URF 4 [H.sapiens], ESTs, Weakly similar to 0806162J protein URF4 [M.musculus]

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3					Human Homologous Sequence Cluster Title
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	
334	17461	AA858528	MM, TTT		EST, Moderately similar to 208109A set gene [Rattus norvegicus] [R.norvegicus], EST, Moderately similar to SET_HUMAN SET PROTEIN [H.sapiens], ESTs, Highly similar to SET_HUMAN SET PROTEIN [H.sapiens], ESTs, Moderately similar to 208109A set gene [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to 208109A set gene [Rattus norvegicus] [R.norvegicus], SET translocation, SET translocation (myeloid leukemia-associated), cutaneous T-cell lymphoma-associated tumor antigen se20-4; differentially expressed nucleolar TGF-beta1 target protein (DENTT)
2145	23325	A1172405	D		EST, Moderately similar to 208109A set gene [Rattus norvegicus] [R.norvegicus], EST, Moderately similar to SET_HUMAN SET PROTEIN [H.sapiens], ESTs, Highly similar to SET_HUMAN SET PROTEIN [H.sapiens], ESTs, Moderately similar to 208109A set gene [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to 208109A set gene [Rattus norvegicus] [R.norvegicus], SET translocation, SET translocation (myeloid leukemia-associated), cutaneous T-cell lymphoma-associated tumor antigen se20-4; differentially expressed nucleolar TGF-beta1 target protein (DENTT)
2320	1572	A1178828	D, V, NN, OO, PP, EEE, JJJ, MMM		EST, Moderately similar to 2021415A initiation factor 4E-binding protein: ISOTYPE=1 [H.sapiens], ESTs, Weakly similar to A55258 insulin-stimulated phosphoprotein PHAS-I rat [R.norvegicus], RIKEN cDNA 1110004O12 gene, eukaryotic translation initiation factor 4E binding protein 1, eukaryotic translation initiation factor 4E binding protein 2, eukaryotic translation initiation factor 4E binding protein 3
3842	1570	NM_053857	O, P		EST, Moderately similar to 2021415A initiation factor 4E-binding protein: ISOTYPE=1 [H.sapiens], ESTs, Weakly similar to A55258 insulin-stimulated phosphoprotein PHAS-I rat [R.norvegicus], RIKEN cDNA 1110004O12 gene, eukaryotic translation initiation factor 4E binding protein 1, eukaryotic translation initiation factor 4E binding protein 2, eukaryotic translation initiation factor 4E binding protein 3

TABLE 3					Attorney Docket 44924-5038-01WO Document No. 1935828.1	
Seq ID	GLCG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3842	1571	NM_053857	W		EST, Moderately similar to 2021415A initiation factor 4E-binding protein:ISOTYPE=1 [H.sapiens], ESTs, Weakly similar to A55258 insulin-stimulated phosphoprotein PHAS-I - rat [R.norvegicus], RIKEN cDNA 110004O12 gene, eukaryotic translation initiation factor 4E binding protein 2, eukaryotic translation initiation factor 4E binding protein 3	
14	18299	AA799369	N, General Alternate		EST, Moderately similar to 2113200F ribosomal protein S9 [H.sapiens]	
4241	15387	X62482	Z, AA, OO, JJJ, NNIN		EST, Moderately similar to 40S RIBOSOMAL PROTEIN S25 [R.norvegicus], EST, Moderately similar to R3RT25 ribosomal protein S25, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to 40S RIBOSOMAL PROTEIN S25 [R.norvegicus], EST, Weakly similar to JQ1347 ribosomal protein S25, cytosolic [H.sapiens], ESTs, Highly similar to JQ1347 ribosomal protein S25, cytosolic [H.sapiens], ribosomal protein S25	
2053	19884	A1170501	PP, QQ, YY		EST, Moderately similar to 810024H URF 3 [H.sapiens], EST, Weakly similar to 810024H URF 3 [H.sapiens]	
3618	15185	NM_031140	O, P, Z, AA, NN, OO, VV, EEE, MMM		EST, Moderately similar to A25074 vimentin [H.sapiens], EST, Weakly similar to A25074 vimentin [H.sapiens], ESTs, Weakly similar to A25074 vimentin [H.sapiens], Mus musculus, similar to FLJ00074 protein, clone MGC:36549 IMAGE:4952810, mRNA, complete cds, desmuslin, intermediate filament-like MGC:2625, vimentin	
32	20843	AA799545	VV		EST, Moderately similar to A38983 TCP1 ring complex protein TRiC5 [H.sapiens], EST, Moderately similar to TCPA_HUMAN T-COMPLEX PROTEIN 1, ALPHA SUBUNIT [H.sapiens], ESTs, Weakly similar to TCPA_RAT T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) [R.norvegicus], Homo sapiens, clone IMAGE:4400828, mRNA, chaperonin containing TCP1, subunit 5 (epsilon), potassium large conductance calcium-activated channel, subfamily M, beta member 3-like, t-complex 1	



TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935828.1						
Seq ID	GLCG ID No.	GenBank Accession RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1737	1501	AI072634	A, I, W, PP, QQ, W, FFF, GGG, General Core Tox Markers		EST, Moderately similar to A40452 keratin 21, type I, cytoskeletal - rat [R.norvegicus], ESTs, Weakly similar to A40452 keratin 21, type I, cytoskeletal - rat [R.norvegicus], RIKEN cDNA 9030623C06 gene, Rat cyokeratin 21 mRNA, complete cds, keratin 18, keratin complex 1, acidic, gene 18	
1525	23949	AI031019	C, E		EST, Moderately similar to A55146 guanine nucleotide exchange factor eIF-2B delta chain, long form - mouse [M.musculus], ESTs, Moderately similar to E2BA_HUMAN TRANSLATION INITIATION FACTOR EIF-2B ALPHA SUBUNIT [H.sapiens], ESTs, Weakly similar to 2112359A initiation factor eIF-2B [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD), clone MGC:6458 IMAGE:2615801, mRNA, complete cds, Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD), clone MGC:7057 IMAGE:3156632, mRNA, complete cds, RIKEN cDNA 2410018C20 gene, eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD)	
1525	23950	AI031019	R, PPP, QQQ		EST, Moderately similar to A55146 guanine nucleotide exchange factor eIF-2B delta chain, long form - mouse [M.musculus], ESTs, Moderately similar to E2BA_HUMAN TRANSLATION INITIATION FACTOR EIF-2B ALPHA SUBUNIT [H.sapiens], ESTs, Weakly similar to 2112359A initiation factor eIF-2B [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD), clone MGC:6458 IMAGE:2615801, mRNA, complete cds, Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD), clone MGC:7057 IMAGE:3156632, mRNA, complete cds, RIKEN cDNA 2410018C20 gene, eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD)	

TABLE 3						
Seq ID	GI/CC ID No.	GenBank Accession No.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
3724	20793	NM_032058	UU		EST, Moderately similar to A55146 guanine nucleotide exchange factor eIF-2B delta chain, long form - mouse [M.musculus], Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD), clone MGC:6458 IMAGE:2615801, mRNA, complete cds, Mus musculus, Similar to eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD), clone MGC:7057 IMAGE:3156632, mRNA, complete cds, eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD), expressed sequence AA409345, expressed sequence C85417	
2251	14384	AI177096	JJ, KK, NN, OO, EEE, HHH, MMM		EST, Moderately similar to APT_RAT ADENINE PHOSPHORIBOSYLTRANSFERASE (APRT) [R.norvegicus], adenine phosphoribosyl transferase, adenine phosphoribosyltransferase, expressed sequence C85684	
3402	23226	NM_019360	PP, QQ		EST, Moderately similar to COXI_MOUSE Cytochrome c oxidase polypeptide VIC-2 [R.norvegicus], ESTs, Moderately similar to COXH_HUMAN CYTOCHROME C OXIDASE POLYPEPTIDE VIC PRECURSOR [H.sapiens], cytochrome c oxidase subunit VIc, cytochrome c oxidase, subunit VIc	
4159	15516	U68544	N		EST, Moderately similar to CYPM_RAT Peptidyl-prolyl cis-trans isomerase, mitochondrial precursor (PPIase) (Rotamase) (Cyclophilin F) [R.norvegicus], ESTs, Highly similar to CYPH_MOUSE PEPTIDYL-PROLYL CIS-TRANS ISOMERASE A [M.musculus], ESTs, Weakly similar to CYPM_RAT Peptidyl-prolyl cis-trans isomerase, mitochondrial precursor (PPIase) (Rotamase) (Cyclophilin F) [R.norvegicus], RIKEN cDNA 2510026K04 gene, RIKEN cDNA 4930520F12 gene, expressed sequence AI256741, expressed sequence AW457192, peptidylprolyl isomerase A, peptidylprolyl isomerase E (cyclophilin E), peptidylprolyl isomerase F (cyclophilin F)	
2750	16978	AI236777	K		EST, Moderately similar to DDH2_HUMAN NG-DIMETHYLARGININE DIMETHYLAMINOHYDROLASE 2 [H.sapiens], dimethylarginine dimethylaminohydrolase 1, dimethylarginine dimethylaminohydrolase 2	

TABLE 3						
Attorney Docket 4921-5038-01WO Document No. 1935328.1						
Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3725	9106	NM_032066	BBB, CCC		EST, Moderately similar to DHBK MOUSE PUTATIVE STEROID DEHYDROGENASE KIK-1 [M.musculus], ESTs, Weakly similar to DHBK MOUSE PUTATIVE STEROID DEHYDROGENASE KIK-1 [M.musculus], RIKEN cDNA 6330410P18 gene, follicular lymphoma variant translocation 1, hydroxysteroid (17-beta) dehydrogenase 12, retinal short-chain dehydrogenase/reductase 1, short-chain dehydrogenase/reductase 1	
2553	24501	A1232006	General Alternate		EST, Moderately similar to EF1D_HUMAN ELONGATION FACTOR 1-DELTA [H.sapiens], ESTs, Moderately similar to EF1D_HUMAN ELONGATION FACTOR 1-DELTA [H.sapiens], hypothetical protein FLJ20897	
1628	5573	A1059063	D		EST, Moderately similar to FGHUGB fibrinogen gamma-B chain precursor [H.sapiens], ESTs, Moderately similar to ANL2_MOUSE Angiopoietin-related protein 2 precursor (Angiopoietin-like 2) [M.musculus], Mus musculus, Similar to angiopoietin-related protein 5, clone MGC:32467 IMAGE:5049765, mRNA, complete cds, Mus musculus, Similar to fibrinogen-like 1, clone MGC:37822 IMAGE:5098805, mRNA, complete cds, angiopoietin-like 2, expressed sequence A1593246, fibrinogen, gamma polypeptide, fibrinogen-like 1	
3233	21396	NM_013198	OO, OOO, General Core Tox Markers		EST, Moderately similar to FIG1 MOUSE FIG-1 PROTEIN PRECURSOR [M.musculus], RIKEN cDNA 1110061B18 gene, RIKEN cDNA 4930438A08 gene, expressed sequence A1482520, expressed sequence AW990848, interleukin-four induced gene 1, monoamine oxidase B	
768	23173	AA925057	O, VV		EST, Moderately similar to G02666 cysteine-rich protein 1 [H.sapiens], cysteine rich intestinal protein, cysteine-rich protein 1 (intestinal), expressed sequence AW743261	
2197	20823	A1176302	XX, YY		EST, Moderately similar to I48346 ribosomal protein fau - mouse [M.musculus], EST, Weakly similar to UBIM_HUMAN UBIQUITIN-LIKE PROTEIN FUBI {SUB 1-74 [H.sapiens], EST, Weakly similar to UBIM_RAT UBIQUITIN-LIKE PROTEIN FUBI [R.norvegicus], Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived)	
3467	22413	NM_022392	A, B		EST, Moderately similar to ISI1_RAT Insulin-induced protein 1 (Insulin-induced growth response protein CL-6) (Immediate-early protein CL-6) [R.norvegicus], RIKEN cDNA 2900053111 gene, insulin induced gene 1, insulin induced protein 2	

TABLE 3						
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence/Cluster Title	
4270	537	X83231	D		EST, Moderately similar to ITH3_RAT Inter-alpha-trypsin inhibitor heavy chain H3 precursor (ITI heavy chain H3) [R.norvegicus], inter-alpha (globulin) inhibitor, H1 polypeptide, inter-alpha (globulin) inhibitor, H2 polypeptide, inter-alpha trypsin inhibitor, heavy chain 1, inter-alpha trypsin inhibitor, heavy chain 3, pre-alpha (globulin) inhibitor, H3 polypeptide	
4150	990	U60096	RR		EST, Moderately similar to JN0786 integrin beta-4 chain precursor - mouse [M.musculus], ESTs, Moderately similar to JN0786 integrin beta-4 chain precursor - mouse [M.musculus], expressed sequence AA407042, integrin beta 4, integrin, beta 4	
4169	1314	U75932	I, J, OOO, General Alternate		EST, Moderately similar to KAPO_RAT CAMP-DEPENDENT PROTEIN KINASE TYPE I-ALPHA REGULATORY CHAIN [R.norvegicus], EST, Weakly similar to KAP1 MOUSE CAMP-DEPENDENT PROTEIN KINASE TYPE I-BETA REGULATORY CHAIN [M.musculus], protein kinase, cAMP dependent regulatory, type I beta, protein kinase, cAMP dependent regulatory, type I, alpha, protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	
3418	18705	NM_020103	D		EST, Moderately similar to LY6H_HUMAN LYMPHOCYTE ANTIGEN LY-6H PRECURSOR [H.sapiens], ESTs, Moderately similar to D45835 Ly6 homolog RK3 precursor - rat [R.norvegicus], ESTs, Weakly similar to LY6F MOUSE LYMPHOCYTE ANTIGEN LY-6F.1 PRECURSOR [M.musculus], expressed sequence A1789751, lymphocyte antigen 6 complex, locus C, lymphocyte antigen 6 complex, locus E, lymphocyte antigen 6 complex, locus H	
3993	18867	NM_138900	I, J, U, X, Y, Z, AA, GG, HH, LL, FFF, GGG, LLL, RRR, SSS, UUU		EST, Moderately similar to MAS2_HUMAN MANNAN-BINDING LECTIN SERINE PROTEASE 2 PRECURSOR [H.sapiens], ESTs, Moderately similar to CRAR_HUMAN COMPLEMENT-ACTIVATING COMPONENT OF RA-REACTIVE FACTOR PRECURSOR [H.sapiens], Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:19094 IMAGE:4196654, mRNA, complete cds, Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:28492 IMAGE:4166254, mRNA, complete cds, complement component 1, r subcomponent, complement component 1, s subcomponent, mannan-binding lectin serine protease 2	

Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

TABLE 3						
Seq ID	GLGG ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
1360	163	AI010480	X, Y		EST, Moderately similar to MDHM_RAT MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [R.norvegicus], EST, Weakly similar to DEMSMM malate dehydrogenase [M.musculus], malate dehydrogenase 2, NAD (mitochondrial), malate dehydrogenase, mitochondrial	
1360	164	AI010480	I		EST, Moderately similar to MDHM_RAT MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [R.norvegicus], EST, Weakly similar to DEMSMM malate dehydrogenase [M.musculus], malate dehydrogenase 2, NAD (mitochondrial), malate dehydrogenase, mitochondrial	
3476	162	NM_022516	VV		EST, Moderately similar to MDHM_RAT MALATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR [R.norvegicus], EST, Weakly similar to DEMSMM malate dehydrogenase [M.musculus], malate dehydrogenase 2, NAD (mitochondrial), malate dehydrogenase, mitochondrial	
3776	23558	NM_053507	OO, III, JJJ, KKK, General Core Tox Markers		EST, Moderately similar to NDK3_MOUSE NUCLEOSIDE DIPHOSPHATE KINASE 3 (NDK 3) (NDP KINASE 3) (NM23-M3) (DR-NM23) [M.musculus], expressed in non-metastatic cells 3, expressed in non-metastatic cells 4, protein (NM23-M4)(nucleoside diphosphate kinase), expressed sequence A1413736, non-metastatic cells 3, protein expressed in, non-metastatic cells 4, protein expressed in	
4179	9841	U94856	O, P, GG, PP, QQ, XX, YY		EST, Moderately similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum arylalkylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], EST, Weakly similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum arylalkylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], Homo sapiens cDNA FLJ30126 fis, clone BRACE1000114, paraoxonase 1, paraoxonase 2	
4179	9842	U94856	A, B, BB, CC, GG, HH, NN, OO, PP, QQ, BBB, CCC, HHH, PPP, QQQ		EST, Moderately similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum arylalkylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], EST, Weakly similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum arylalkylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], Homo sapiens cDNA FLJ30126 fis, clone BRACE1000114, paraoxonase 1, paraoxonase 2	

TABLE 3						
Seq ID	GLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
1998	1335	AI169105	PPP, QQQ		EST, Moderately similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum arylalkylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], ESTs, Moderately similar to PON2_HUMAN SERUM PARAOXONASE/ARYLESTERASE 2 [H.sapiens], Homo sapiens cDNA FLJ30126 fis, clone BRACE1000114, Mus musculus, Similar to paraoxonase 2, clone MGC:11614 IMAGE:3154583, mRNA, complete cds, paraoxonase 1, paraoxonase 2	
160	6016	AA818163	B, H, GG, HHH, PPP, General Core Tox Markers		EST, Moderately similar to PON1_RAT Serum paraoxonase/arylesterase 1 (PON 1) (Serum arylalkylphosphatase 1) (A-esterase 1) (Aromatic esterase 1) [R.norvegicus], Homo sapiens cDNA FLJ30126 fis, clone BRACE1000114, expressed sequence AI786302, paraoxonase 1, paraoxonase 3	
472	9136	AA891226	G, H, X, Y, GGG, LLL		EST, Moderately similar to PSB5_RAT Proteasome subunit beta type 5 precursor (Proteasome epsilon chain) (Macropain epsilon chain) (Multicatalytic endopeptidase complex epsilon chain) (Proteasome subunit X) (Proteasome chain 6) [R.norvegicus], RIKEN cDNA 5830406J20 gene, proteasome (prosome, macropain) subunit, beta type 5, proteasome (prosome, macropain) subunit, beta type, 5	
3994	18083	NM_138907	BBB, RRR, SSS		EST, Moderately similar to PTE2_HUMAN PEROXISOMAL ACYL-COENZYME A THIOESTER HYDROLASE 2 (PEROXISOMAL LONG-CHAIN ACYL-COA THIOESTERASE 2) (ZAP128) [H.sapiens], ESTs, Weakly similar to MTE1_RAT Acyl coenzyme A thioester hydrolase, mitochondrial precursor (Very-long-chain acyl-CoA thioesterase) (MTE-1) [R.norvegicus], ESTs, Weakly similar to PTE2_HUMAN PEROXISOMAL ACYL-COENZYME A THIOESTER HYDROLASE 2 (PEROXISOMAL LONG-CHAIN ACYL-COA THIOESTERASE 2) (ZAP128) [H.sapiens], Homo sapiens cDNA FLJ31235 fis, clone KIDNE2004681, moderately similar to Mus musculus peroxisomal long chain acyl-CoA thioesterase 1b (Pte1b) gene, Mus musculus, Similar to bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase), clone MGC:19156 IMAGE:4220620, mRNA, complete cds, mitochondrial acyl-CoA thioesterase 1, peroxisomal long-chain acyl-coA thioesterase	



TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935828.1						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
					EST, Moderately similar to PTE2_HUMAN PEROXISOMAL ACYL-COENZYME A THIOESTER HYDROLASE 2 (PEROXISOMAL LONG-CHAIN ACYL-COA THIOESTERASE 2) (ZAP128) [H.sapiens], ESTs, Weakly similar to PTE2_HUMAN PEROXISOMAL ACYL-COENZYME A THIOESTER HYDROLASE 2 (PEROXISOMAL LONG-CHAIN ACYL-COA THIOESTERASE 2) (ZAP128) [H.sapiens], Homo sapiens cDNA FLJ1235 fis, clone KIDNE2004681, moderately similar to Mus musculus peroxisomal long chain acyl-CoA thioesterase 1b (Pte1b) gene, Mus musculus, Similar to cytosolic acyl-CoA thioesterase 1, clone MGC:27572 IMAGE:4485973, mRNA, complete cds, RIKEN cDNA 4632408A20 gene, expressed sequence AW108394, mitochondrial acyl-CoA thioesterase 1, peroxisomal acyl-CoA thioesterase 2A, peroxisomal acyl-CoA thioesterase 2B, peroxisomal long-chain acyl-CoA thioesterase	
2589	5602	A1232611	K, U, FF, BBB, RRR		EST, Moderately similar to PYC_RAT Pyruvate carboxylase, mitochondrial precursor (Pyruvic carboxylase) (PCB) [R.norvegicus], Mus musculus, Similar to Propionyl Coenzyme A carboxylase, alpha polypeptide, clone MGC:11973 IMAGE:3601148, mRNA, complete cds, pyruvate carboxylase, pyruvate decarboxylase	
4118	1478	U32314	M, W, DDD, GGG, LLL, UUU, General Core Tox Markers		EST, Moderately similar to PYC_RAT Pyruvate carboxylase, mitochondrial precursor (Pyruvic carboxylase) (PCB) [R.norvegicus], Mus musculus, Similar to Propionyl Coenzyme A carboxylase, alpha polypeptide, clone MGC:11973 IMAGE:3601148, mRNA, complete cds, pyruvate carboxylase, pyruvate decarboxylase	
4118	1479	U32314	M, X, VV, DDD, GGG, LLL, UUU, General Core Tox Markers		EST, Moderately similar to R5HU7 ribosomal protein L7, cytosolic [H.sapiens], EST, Weakly similar to RL7 MOUSE 60S RIBOSOMAL PROTEIN L7 [M.musculus], ESTs, Highly similar to R5HU7 ribosomal protein L7, cytosolic [H.sapiens], ribosomal protein L7	
1960	11321	A1137752	S			



TABLE 3					
Seq ID	GLGC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1563	18205	AI044836	EE, NNN		EST, Moderately similar to RBM8_HUMAN PUTATIVE RNA-BINDING PROTEIN 8 [H.sapiens], ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Moderately similar to RBM8_HUMAN PUTATIVE RNA-BINDING PROTEIN 8 [H.sapiens], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], Homo sapiens, clone MGC:22221 IMAGE:4687764, mRNA, complete cds, Mus musculus, Similar to fusion, derived from t(12;16) malignant liposarcoma, clone MGC:18917 IMAGE:3153860, mRNA, complete cds, Nucleolin, RNA binding motif protein 8A, TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68 kDa, eukaryotic translation initiation factor 3, subunit 4 (delta, 44 kDa), nucleolin, pigpen
4238	4441	X62146	II, JJ, KK, DDD, FFF, GGG, General Alternate		EST, Moderately similar to RL11_HUMAN 60S RIBOSOMAL PROTEIN L11 [H.sapiens], EST, Moderately similar to RL11_HUMAN 60S ribosomal protein L11 [R.norvegicus], EST, Weakly similar to RL11_HUMAN 60S RIBOSOMAL PROTEIN L11 [H.sapiens], ESTs, Highly similar to RIKEN cDNA 2010203J19 [Mus musculus] [M.musculus], ESTs, Moderately similar to RL11_HUMAN 60S RIBOSOMAL PROTEIN L11 [H.sapiens], RIKEN cDNA 2010203J19 gene, ribosomal protein L11
3200	17174	NM_013030	JJ, KK, HHH		EST, Moderately similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], EST, Weakly similar to RL17 RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], EST, Weakly similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], ESTs, Highly similar to RL17 RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], ESTs, Weakly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600029O15:hexokinase 1, full insert sequence, ribosomal protein L17

TABLE 3					Attorney Docket 449241-5038-01WO Document No. 1935828.1	
Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
4227	17175	X58389	II, JJ, KK, FFF, GGG, HHH		EST, Moderately similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], EST, Weakly similar to RL17_RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], EST, Weakly similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], ESTs, Highly similar to RL17_RAT 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [R.norvegicus], ESTs, Weakly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600029O15:hexokinase 1, full insert sequence, ribosomal protein L17	
4233	17176	X60212	LL, SS		EST, Moderately similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], EST, Weakly similar to RL17_RAT 60S RIBOSOMAL PROTEIN L17 [R.norvegicus], EST, Weakly similar to RL17_HUMAN 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], ESTs, Highly similar to RL17_RAT 60S RIBOSOMAL PROTEIN L17 [H.sapiens], ESTs, Highly similar to R5HU22 ribosomal protein L17, cytosolic [R.norvegicus], ESTs, Weakly similar to R5HU22 ribosomal protein L17, cytosolic [H.sapiens], Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600029O15:hexokinase 1, full insert sequence, ribosomal protein L17	
1788	18642	A1102023	S		EST, Moderately similar to RL35_HUMAN 60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT 60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35	
3017	17211	M34331	DDD		EST, Moderately similar to RL35_HUMAN 60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT 60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35	
3017	26030	M34331	F, DDD		EST, Moderately similar to RL35_HUMAN 60S RIBOSOMAL PROTEIN L3 [H.sapiens], EST, Moderately similar to RL35_RAT 60S RIBOSOMAL PROTEIN L35 [R.norvegicus], Homo sapiens, clone IMAGE:4183312, mRNA, partial cds, ribosomal protein L35	
3674	16918	NM_031709	F		EST, Moderately similar to RS12_HUMAN 40S RIBOSOMAL PROTEIN S1 [H.sapiens], ESTs, Moderately similar to R3HU12 ribosomal protein S12, cytosolic [H.sapiens], ESTs, Moderately similar to RS12_MOUSE 40S RIBOSOMAL PROTEIN S12 [M.musculus], ribosomal protein S12	

TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3705	10267	NM_031838	LL		EST, Moderately similar to RS2 MOUSE 40S RIBOSOMAL PROTEIN S2 [M.musculus], EST, Weakly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], EST, Weakly similar to RS2_HUMAN 40S RIBOSOMAL PROTEIN S2 [H.sapiens], EST, Weakly similar to RS2_RAT 40S RIBOSOMAL PROTEIN S2 [R.norvegicus], ESTs, Highly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein S2; repeat family 3 gene [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:4816496, mRNA, partial cds, ribosomal protein S2	
3705	10269	NM_031838	CC		EST, Moderately similar to RS2 MOUSE 40S RIBOSOMAL PROTEIN S2 [M.musculus], EST, Weakly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], EST, Weakly similar to RS2_HUMAN 40S RIBOSOMAL PROTEIN S2 [H.sapiens], EST, Weakly similar to RS2_RAT 40S RIBOSOMAL PROTEIN S2 [R.norvegicus], ESTs, Highly similar to ribosomal protein S2; 40S ribosomal protein S2 [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein S2; repeat family 3 gene [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:4816496, mRNA, partial cds, ribosomal protein S2	
3608	19161	NM_031111	WW		EST, Moderately similar to RS21_RAT 40S RIBOSOMAL PROTEIN S21 [R.norvegicus], ribosomal protein S21	
3608	19162	NM_031111	CCC		EST, Moderately similar to RS21_RAT 40S RIBOSOMAL PROTEIN S21 [R.norvegicus], ribosomal protein S21	
2687	11644	A1235282	FFF, GGG, General Alternate		EST, Moderately similar to S25111 alpha-2-macroglobulin receptor precursor - mouse [M.musculus], ESTs, Highly similar to S25111 alpha-2-macroglobulin receptor precursor - mouse [M.musculus], ESTs, Weakly similar to S25111 alpha-2-macroglobulin receptor precursor - mouse [M.musculus], low density lipoprotein receptor-related protein 1, low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935828.1						
Seq ID	GI/CC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster title	
556	13647	AA892367	B, XX, YY, HHH		EST, Moderately similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], EST, Weakly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Highly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Weakly similar to RL3_MOUSE 60S RIBOSOMAL PROTEIN L3 [M.musculus], RIKEN cDNA 1110057H16 gene, ribosomal protein L3, ribosomal protein L3-like	
4239	13646	X62166	G, H, JJ, KK, UU, GGG, HHH, General Alternate		EST, Moderately similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], EST, Weakly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Highly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Weakly similar to RL3_MOUSE 60S RIBOSOMAL PROTEIN L3 [M.musculus], RIKEN cDNA 1110057H16 gene, ribosomal protein L3, ribosomal protein L3-like	
1262	22230	A1007920	EE		EST, Moderately similar to S40468 proteasome subunit RC10-II - rat [R.norvegicus], ESTs, Weakly similar to proteasome (prosome, macropain) subunit, beta type, 3 [Mus musculus] [M.musculus], proteasome (prosome, macropain) subunit, beta type 3, proteasome (prosome, macropain) subunit, beta type, 3	
2696	18252	A1235497	II		EST, Moderately similar to S65792 ribosomal protein L9, cytosolic [H.sapiens], EST, Weakly similar to RL9_RAT 60S RIBOSOMAL PROTEIN L9 [R.norvegicus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L9 [M.musculus], RIKEN cDNA 4930401B11 gene, ribosomal protein L9	
1249	4014	A1007645	J, Z, AA		EST, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Highly similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Weakly similar to NED4_MOUSE NEDD-4 PROTEIN [M.musculus], neural precursor cell expressed, developmentally down-regulated 4, neural precursor cell expressed, developmentally down-regulated gene 4a	

TABLE 3

Attorney Docket 44921-5038-01WO Document No. 1935828.1						
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1766	10573	AI101003	M		EST, Moderately similar to S70642 ubiquitin ligase Neddd4 - rat (fragment) [R.norvegicus], ESTs, Highly similar to S70642 ubiquitin ligase Neddd4 - rat (fragment) [R.norvegicus], ESTs, Moderately similar to S70642 ubiquitin ligase Neddd4 - rat (fragment) [R.norvegicus], ESTs, Weakly similar to NED4 MOUSE NEDD-4 PROTEIN [M.musculus], neural precursor cell expressed, developmentally down-regulated 4, neural precursor cell expressed, developmentally down-regulated gene 4a	
2195	19363	AI176247	A, Y, GGG, QQQ, General Core Tox Markers		EST, Moderately similar to SCO2_HUMAN SCO2 PROTEIN HOMOLOG PRECURSOR [H.sapiens], EST, Weakly similar to SCO2_HUMAN SCO2 PROTEIN HOMOLOG PRECURSOR [H.sapiens]	
1769	15192	AI101099	T		EST, Moderately similar to SMHU1E metallothionein 1E [H.sapiens], ESTs, Highly similar to SMHU1B metallothionein 1B [H.sapiens], H.sapiens mRNA for metallothionein isoform 1R, Homo sapiens metallothionein 1H-like protein mRNA, complete cds, Homo sapiens unknown mRNA, Homo sapiens, Similar to RNA helicase-related protein, clone MGC:9246 IMAGE:3892441, mRNA, complete cds, Mus musculus, metallothionein 2A, clone MGC:30400 IMAGE:4501155, mRNA, complete cds, metallothionein 1H, metallothionein 1X, metallothionein 2	
2206	15191	AI176456	C, E, L, T, W, DD, SS, WW, III, JJJ, KKK, NNN		EST, Moderately similar to SMHU1E metallothionein 1E [H.sapiens], ESTs, Highly similar to SMHU1B metallothionein 1B [H.sapiens], H.sapiens mRNA for metallothionein isoform 1R, Homo sapiens metallothionein 1H-like protein mRNA, complete cds, Homo sapiens unknown mRNA, Homo sapiens, Similar to RNA helicase-related protein, clone MGC:9246 IMAGE:3892441, mRNA, complete cds, Mus musculus, metallothionein 2A, clone MGC:30400 IMAGE:4501155, mRNA, complete cds, metallothionein 1H, metallothionein 1X, metallothionein 2	
270	14024	AA849619	CCC		EST, Moderately similar to T08727 probable H+-transporting ATP synthase [H.sapiens]	

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

**TABLE 3**

Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
52	21679	AA799691	DD, EE, KKK, NNN, OOO		EST, Moderately similar to T31432 K-Cl cotransport protein 2, furosemide-sensitive - rat [R.norvegicus], ESTs, Highly similar to T17275 hypothetical protein DKFZp434D2135.1 [H.sapiens], ESTs, Moderately similar to T31432 K-Cl cotransport protein 2, furosemide-sensitive - rat [R.norvegicus], Mus musculus strain ILS K-Cl cotransporter (Slc12a5) mRNA, complete cds, solute carrier family 12, (potassium-chloride transporter) member 5, solute carrier family 12, member 7
2635	13294	A1233731	A, B, H, S, GGG, HHH		EST, Moderately similar to TCPA_HUMAN T-COMPLEX PROTEIN 1, ALPHA SUBUNIT [H.sapiens], EST, Moderately similar to TCPB_HUMAN T-COMPLEX PROTEIN 1, BETA SUBUNIT [H.sapiens], EST, Weakly similar to TCPB_HUMAN T-COMPLEX PROTEIN 1, BETA SUBUNIT [H.sapiens], ESTs, Weakly similar to TCPA_RAT T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) [R.norvegicus], chaperonin containing TCP1, subunit 5 (epsilon), potassium large conductance calcium-activated channel, subfamily M, beta member 3-like, t-complex 1
2295	19586	A1178239	LL		EST, Moderately similar to TVRTYP GTP-binding protein Rab1 - rat [R.norvegicus], ESTs, Moderately similar to RAS-RELATED PROTEIN RAB-1A [M.musculus], RAB1B, member RAS oncogene family, RAB33B, member RAS oncogene family
4196	19584	X13905	QQ, RR, UU		EST, Moderately similar to TVRTYP GTP-binding protein Rab1 - rat [R.norvegicus], ESTs, Moderately similar to RAS-RELATED PROTEIN RAB-1A [M.musculus], RAB1B, member RAS oncogene family, RAB33B, member RAS oncogene family

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

**TABLE 3**

Seq ID	GLGC ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					EST, Moderately similar to UB5B_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 2 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17KB 2) [R.norvegicus], EST, Weakly similar to UB5B_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD 2 [M.musculus], ESTs, Moderately similar to I59365 ubiquitin conjugating enzyme [H.sapiens], ESTs, Moderately similar to UBC6_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-21 KD UBCH6 [H.sapiens], Homo sapiens EST from clone 37208, full insert, Homo sapiens cDNA FLJ13857 fis, clone THYRO1001003, weakly similar to UBIQUITIN-CONJUGATING ENZYME E2-21.2 KD (EC 6.3.2.19), Homo sapiens cDNA FLJ25157 fis, clone CBR08008, highly similar to UBIQUITIN-CONJUGATING ENZYME E2-23 KDA (EC 6.3.2.19), Mus musculus, ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast), clone MGC:28550 IMAGE:4205941, mRNA, complete cds, RIKEN cDNA 1700013N18 gene, ubiquitin-conjugating enzyme E2D 2, ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, EST, Moderately similar to Y054_HUMAN HYPOTHETICAL PROTEIN KIAA0054 [H.sapiens], Homo sapiens cDNA FLJ13662 fis, clone PLACE1011643, KIAA1769 protein, helicase with zinc finger domain
4100	22039	U13176	Q, R, ZZ, AAA		EST, Moderately similar to Y124_HUMAN HYPOTHETICAL PROTEIN KIAA0124 [H.sapiens], block of proliferation 1
566	9074	AA892465	Z, AA		EST, Weakly similar to aldo-keto reductase family 1, member A1 (aldehyde reductase) [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 2310005E10 gene, aldo-keto reductase family 1, member A1 (aldehyde reductase), aldo-keto reductase family 1, member A4 (aldehyde reductase)
2023	23260	A1169617	MM, TTT		
3580	23109	NM_031000	G, H		



TABLE 3					
Attorney Docket 44924-5038-01WO Document No. 1935828.1					
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3857	16546	NM_053965	U, FF, LL, BBB, CCC, RRR, SSS		EST, Weakly similar to carnitine/acylcarnitine translocase; mitochondrial carnitine-acylcarnitine translocase gene [Mus musculus] [M.musculus], ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MCAT_HUMAN MITOCHONDRIAL CARNITINE/ACYLCARNITINE CARRIER PROTEIN [H.sapiens], Homo sapiens, similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, clone MGC:35539 IMAGE:5200129, mRNA, complete cds, Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, expressed sequence AW491445, expressed sequence W51672, ornithine transporter 2, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15
3857	16547	NM_053965	RRR, SSS		EST, Weakly similar to carnitine/acylcarnitine translocase; mitochondrial carnitine-acylcarnitine translocase gene [Mus musculus] [M.musculus], ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MCAT_HUMAN MITOCHONDRIAL CARNITINE/ACYLCARNITINE CARRIER PROTEIN [H.sapiens], Homo sapiens, similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, clone MGC:35539 IMAGE:5200129, mRNA, complete cds, Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, expressed sequence AW491445, expressed sequence W51672, ornithine transporter 2, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 3, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15

TABLE 3						Attorney Docket 44921-6038-01WO Document No. 1995828.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
3799	20902	NM_053593	C, G, H		EST, Weakly similar to cyclin-dependent kinase 4 [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to cyclin-dependent kinase 4 [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to CDK4 MOUSE CELL DIVISION PROTEIN KINASE 4 [M.musculus], cyclin-dependent kinase 4, cyclin-dependent kinase 6		
143	2544	AA817968	LLL, SSS, UUU, General Alternate		EST, Weakly similar to ectonucleotide pyrophosphatase/phosphodiesterase 1 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to A39216 plasma cell membrane glycoprotein PC-1 [H.sapiens], ectonucleotide pyrophosphatase/phosphodiesterase 1, ectonucleotide pyrophosphatase/phosphodiesterase 5		
3887	15838	NM_057143	KK		EST, Weakly similar to fertility protein SP22 [Rattus norvegicus] [R.norvegicus], RNA binding protein regulatory subunit, RNA-binding protein regulatory subunit		
3887	15839	NM_057143	Q, R, JJ, KK, NNN		EST, Weakly similar to fertility protein SP22 [Rattus norvegicus] [R.norvegicus], RNA binding protein regulatory subunit, RNA-binding protein regulatory subunit		
567	9254	AA892470	C, H, S, OOO		EST, Weakly similar to histone H2A.F/Z variant [Homo sapiens] [H.sapiens], ESTs, Weakly similar to H2AZ_HUMAN HISTONE H2A [H.sapiens], H2A histone family, member Z, Homo sapiens cDNA FLJ32241 fis, clone PLACE6005231, RIKEN cDNA C530002L11 gene, histone H2A.F/Z variant		
25	16942	AA799520	T, MM, PPP, QQQ, TTT		EST, Weakly similar to integral membrane protein 2B [Homo sapiens] [H.sapiens], integral membrane protein 2B		
2717	16943	AI236097	PPP, QQQ		EST, Weakly similar to integral membrane protein 2B [Homo sapiens] [H.sapiens], integral membrane protein 2B		
4156	904	U67082	DDD		EST, Weakly similar to Kruppel associated box (KRAB) zinc finger 1 [Rattus norvegicus] [R.norvegicus], EST, Weakly similar to ZINC FINGER PROTEIN 91 [H.sapiens], ESTs, Moderately similar to DNA-binding protein; zinc finger protein 253 [Homo sapiens] [H.sapiens], ESTs, Moderately similar to ZINC FINGER PROTEIN 91 [H.sapiens], Mus musculus, Similar to RIKEN cDNA 2610036F08 gene, clone MGC:28645 IMAGE:4224834, mRNA, complete cds, expressed sequence AI790734, expressed sequence AU021768, zinc finger protein 386 (Kruppel-like), zinc finger protein 91 (HPF7, HTF10)		

TABLE 3						Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
3525	21491	NM_022951	ZZ, AAA		EST, Weakly similar to proline rich protein 2 [Mus musculus] [M.musculus], EST, Weakly similar to ZAP3_MOUSE Nuclear protein ZAP3 [M.musculus], ESTs, Weakly similar to proline rich protein 2 [Mus musculus] [M.musculus], expressed sequence AA408880, pantothenate kinase, proline rich protein 2, protein phosphatase 1, regulatory subunit 10		
75	20811	AA799899	RR		EST, Weakly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens]		
4197	20810	X14181	EEE, MMM		EST, Weakly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens], ESTs, Highly similar to ribosomal protein L18a; 60S ribosomal protein L18a [Homo sapiens] [H.sapiens]		
1133	3496	AA997304	F		EST, Weakly similar to ribosomal protein, mitochondrial, S22 [Mus musculus] [M.musculus], mitochondrial ribosomal protein S22		
497	18269	AA891769	D, N		EST, Weakly similar to SC65 synaptonemal complex protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to SC65 synaptonemal complex protein [Rattus norvegicus] [R.norvegicus], SC65 synaptonemal complex protein, cartilage associated protein, growth suppressor 1, nucleolar autoantigen (55kD) similar to rat synaptonemal complex protein		
3893	14126	NM_057208	VV		EST, Weakly similar to tropomyosin 3, gamma [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus]		
777	21010	AA925306	D, U, FF, BBB, RRR, SSS		EST, Weakly similar to 1701410A choline acetyltransferase [Rattus norvegicus] [R.norvegicus], carnitine acetyltransferase		

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935028.1	
Seq. ID	CLGG ID No.	GenBank Acc.or. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
4220	24577	X55153	C, F, K, DDD		EST, Weakly similar to 60S ACIDIC RIBOSOMAL PROTEIN P2 [R.norvegicus], EST, Weakly similar to R6HUP2 acidic ribosomal protein P2, cytosolic [H.sapiens], ESTs, Highly similar to MTJ1 MOUSE DNAJ PROTEIN HOMOLOG MTJ1 [M.musculus], ESTs, Weakly similar to RLA1 MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P1 [M.musculus], Homo sapiens cDNA FLJ31504 fis, clone NT2NE2005804, weakly similar to 60S ACIDIC RIBOSOMAL PROTEIN P2, expressed sequence A1255964, ribosomal protein, large, P1			
3859	15135	NM_053971	G, H, FFF		EST, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ribosomal protein L6			
3859	15136	NM_053971	M, X, Y, KK, HHH, General Core Tox Markers		EST, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ESTs, Weakly similar to 60S RIBOSOMAL PROTEIN L6 [M.musculus], ribosomal protein L6			
118	22025	AA800849	S, TT		EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene			
279	22027	AA850060	V, OOO		EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene			
279	22028	AA850060	CCC		EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene			
908	22029	AA945284	K, N		EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene			
1371	22030	A1011177	N, BB, CC		EST, Weakly similar to 810024L URF 5 [H.sapiens], Homo sapiens cDNA FLJ10784 fis, clone NT2RP4000448, highly similar to Homo sapiens mRNA; cDNA DKFZp566G0746, RIKEN cDNA 3830414F09 gene			

TABLE 3						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935323.1
3755	11319	NM_053357	HH		EST, Weakly similar to A Chain A, Crystal Structure Of The Xtc3-CbdBETA-Catenin Armadillo Repeat Complex [H.sapiens], catenin (cadherin-associated protein), beta 1 (88kD), catenin beta	
2989	24860	M13506	E, K, M, X, TT, BBB, DDD, EEE, MMM		EST, Weakly similar to A27878 glucuronosyltransferase [H.sapiens], ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOFT [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B15, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709	
3005	1540	M25073	BB, CC, II, NNN, General Alternate		EST, Weakly similar to A32852 membrane alanyl aminopeptidase (EC 3.4.11.2) - rat [R.norvegicus], ESTs, Weakly similar to AMPN MOUSE AMINOPEPTIDASE N [M.musculus], RIKEN cDNA 201011101 gene, RIKEN cDNA 4833403H15 gene, alanyl (membrane) aminopeptidase, alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	
1381	3995	AI011678	GGG, General Core Tox Markers		EST, Weakly similar to A33880 syndecan 2 [H.sapiens], Mus musculus, clone IMAGE:4983756, mRNA, partial cds, syndecan 2, syndecan 2 (heparan sulfate proteoglycan 1, cell surface-associated, fibroglycan)	
3042	1529	M81687	S, FFF, GGG, OOO, UUU, General Core Tox Markers		EST, Weakly similar to A38712 fibrillar [H.sapiens], EST, Weakly similar to FBRL MOUSE FIBRILLARIN [M.musculus], ESTs, Moderately similar to FIBRILLARIN [M.musculus], expressed sequence AL022665, fibrillar	
998	17540	AA955914	A, B			

TABLE 3						
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935323.1
2046	2248	AI170332	BB, CC		EST, Weakly similar to A3B1_MOUSE Adapter-related protein complex 3 beta 1 subunit (Beta-adaptin 3A) (AP-3 complex beta-3A subunit) (Beta-3A-adaptin) [M.musculus], Mus musculus, clone MGC:36656 IMAGE:5364848, mRNA, complete cds, adaptor-related protein complex 3, beta 1 subunit, adaptor-related protein complex AP-3, beta 1 subunit, adaptor-related protein complex AP-3, beta 2 subunit	
3502	2442	NM_022667	JJ		EST, Weakly similar to A41120 prostaglandin transporter - rat [R.norvegicus], ESTs, Weakly similar to JC7286 liver-specific organic anion transporter-1 - mouse [M.musculus], ESTs, Weakly similar to PGT_HUMAN PROTAGLANDIN TRANSPORTER [H.sapiens], expressed sequence A1060904, solute carrier family 21 (organic anion transporter), member 11, solute carrier family 21 (organic anion transporter), member 12, solute carrier family 21 (prostaglandin transporter), member 2	
3869	24655	NM_053998	RR		EST, Weakly similar to A42148 GTP-binding protein rab8 - rat (fragment) [R.norvegicus], ESTs, Weakly similar to cell line NK14 derived transforming oncogene [Mus musculus] [M.musculus], ESTs, Weakly similar to RAB8_HUMAN RAS-RELATED PROTEIN RAB-8 [H.sapiens], RIKEN cDNA 0610007N03 gene, RIKEN cDNA 2310012G06 gene, SOCS box containing protein RAR3, cell line NK14 derived transforming oncogene, mel transforming oncogene (derived from cell line NK14)- RAB8 homolog	
3935	17880	NM_133308	M		EST, Weakly similar to A43932 mucin 2 precursor, intestinal [H.sapiens], ESTs, Weakly similar to A43932 mucin 2 precursor, intestinal [H.sapiens], Homo sapiens mRNA for FLJ00219 protein, hepatitis A virus cellular receptor 1	
887	12301	AA944727	EE, PP, QQ, III, JJJ, NNN		EST, Weakly similar to A44437 regenerating liver inhibitory factor RL/IF-1 - rat [R.norvegicus], Homo sapiens, Similar to GA binding protein transcription factor, beta subunit 1 (53kD), clone MGC:29891 IMAGE:5139830, mRNA, complete cds, ankyrin repeat domain 2 (stretch responsive muscle), molecule possessing ankyrin repeats induced by lipopolysaccharide (MAIL), homolog of mouse, nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha, testis-specific ankyrin motif containing protein	



TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3558	13633	NM_024403	W		EST, Weakly similar to A45377 transcription factor ATF4 [H.sapiens], ESTs, Highly similar to A45377 transcription factor ATF4 [H.sapiens], activating transcription factor 4, activating transcription factor 4 (tax-responsive enhancer element B67), activating transcription factor 5			
3558	13634	NM_024403	M		EST, Weakly similar to A45377 transcription factor ATF4 [H.sapiens], ESTs, Highly similar to A45377 transcription factor ATF4 [H.sapiens], activating transcription factor 4, activating transcription factor 4 (tax-responsive enhancer element B67), activating transcription factor 5			
302	2103	AA851135	YY		EST, Weakly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ESTs, Highly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ribosomal protein S27 (metallopanstimulin 1), ribosomal protein S27-like			
1277	22126	A1008511	RR		EST, Weakly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ESTs, Highly similar to A48045 ribosomal protein S27, cytosolic [H.sapiens], ribosomal protein S27 (metallopanstimulin 1), ribosomal protein S27-like			
176	6234	AA818612	F		EST, Weakly similar to A55749 spliceosome-associated protein SAP 61 [H.sapiens], splicing factor 3a, subunit 3, 60kD			
4252	588	X69834	H, O, P, GG, PPP, QQQ		EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMYOTRYPSIN PRECURSOR [H.sapiens], Mus musculus adult male pituitary gland cDNA, RIKEN full-length enriched library, clone:5330437D01:serine protease inhibitor 2-1, full insert sequence, kallikrein binding protein			
2841	3292	D00753	E, BB, III, JJJ, KKK, NNN		EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMYOTRYPSIN PRECURSOR [H.sapiens], RIKEN cDNA 4833409F13 gene, serine protease inhibitor 2-2			
3023	17145	M38566	VV		EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMYOTRYPSIN PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antipain, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2			
3106	17147	NM_012657	L, TT		EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYMYOTRYPSIN PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antipain, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2			



TABLE 3						
Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
3106	17148	NM_012657	HH, TT		EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYOTRYPsin PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antipain, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2	
4282	17146	Y07534	J		EST, Weakly similar to AACT_HUMAN ALPHA-1-ANTICHYOTRYPsin PRECURSOR [H.sapiens], serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antipain, pigment epithelium derived factor), member 2, serine protease inhibitor 2-2	
42	17380	AA799612	MM, TTT		EST, Weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Highly similar to ubiquitin conjugating enzyme [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to A41222 ubiquitin--protein ligase [H.sapiens], ESTs, Moderately similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to UBC2_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD [M.musculus], RIKEN cDNA 2610301N02 gene, expressed sequence A1327276, ubiquitin-conjugating enzyme E2A (RAD6 homolog), ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae), ubiquitin-conjugating enzyme E2B (RAD6 homolog), ubiquitin-conjugating enzyme E2B, RAD6 homolog (S. cerevisiae), ubiquitin-conjugating enzyme E2C	
3617	17379	NM_031138	R, DD, EE, MM, WW, TTT, General Alternate		EST, Weakly similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Highly similar to ubiquitin conjugating enzyme [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to A41222 ubiquitin--protein ligase [H.sapiens], ESTs, Moderately similar to B41222 ubiquitin--protein ligase [H.sapiens], ESTs, Weakly similar to UBC2_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-17 KD [M.musculus], RIKEN cDNA 2610301N02 gene, expressed sequence A1327276, ubiquitin-conjugating enzyme E2A (RAD6 homolog), ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae), ubiquitin-conjugating enzyme E2B (RAD6 homolog), ubiquitin-conjugating enzyme E2B, RAD6 homolog (S. cerevisiae), ubiquitin-conjugating enzyme E2C	

TABLE 3						
Seq. ID	CLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
4091	2010	U05675	E, S, MM, KKK, TTT		EST, Weakly similar to beta-fibrinogen precursor [H.sapiens], ESTs, Moderately similar to ANL2_MOUSE Angiopoietin-related protein 2 precursor (Angiopoietin-like 2) [M.musculus], ESTs, Weakly similar to FIBB_RAT Fibrinogen beta chain precursor [Contains: Fibrinopeptide B] [R.norvegicus], Mus musculus, Similar to angiopoietin-related protein 5, clone MGC:32467 IMAGE:5049765, mRNA, complete cds, Mus musculus, Similar to fibrinogen-like 1, clone MGC:37822 IMAGE:5098805, mRNA, complete cds, angiopoietin-like 2, expressed sequence A1593246	
865	2762	AA944165	General Core Tox Markers		EST, Weakly similar to C10_MOUSE PUTATIVE C10 PROTEIN [M.musculus], hypothetical protein BC009925	
2423	9038	A1228419	T		EST, Weakly similar to CAHB_HUMAN CARBONIC ANHYDRASE-RELATED PROTEIN 2 PRECURSOR (CARP 2) (CA-RP II) (CA-XI) (CARBONIC ANHYDRASE-RELATED PROTEIN 11) (CARP XI) [H.sapiens], ESTs, Weakly similar to A Chain A, Crystal Structure Of S-Glutathiolated Carbonic Anhydrase Iii [R.norvegicus], Mus musculus, Carbonic anhydrase-related protein 10, clone MGC:27641 IMAGE:4507552, mRNA, complete cds, RIKEN cDNA 2700029L05 gene, carbonic anhydrase 11, carbonic anhydrase 13, carbonic anhydrase 14, carbonic anhydrase VI, carbonic anhydrase VII, carbonic anhydrase XI	
321	14292	AA851791	R		EST, Weakly similar to CBP_MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Highly similar to CBP_MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Moderately similar to CBP_MOUSE CREB-BINDING PROTEIN [M.musculus], ESTs, Weakly similar to CBP_MOUSE CREB-BINDING PROTEIN [M.musculus], bromodomain containing 2	
311	19211	AA851329	KK, HHH		EST, Weakly similar to CBX3_HUMAN CHROMOBOX PROTEIN HOMOLOG 3 [H.sapiens], ESTs, Moderately similar to CBX3_HUMAN CHROMOBOX PROTEIN HOMOLOG 3 [H.sapiens], Homo sapiens, clone IMAGE:4798132, mRNA, partial cds	
2313	2825	A1178752	WW		EST, Weakly similar to CLN3_HUMAN CLN3 PROTEIN [H.sapiens], Homo sapiens clone 319 CLN3 protein (CLN3) mRNA, complete cds, expressed sequence A1323623	

TABLE 3						
Seq ID	CLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3606	16929	NM_031108	H		EST, Weakly similar to COLLAGEN ALPHA 2(VI) CHAIN PRECURSOR [M.musculus], Mus musculus, Similar to splicing factor, arginine/serine-rich 8 (suppressor-of-white-apricot homolog, Drosophila), clone MGC:31019 IMAGE:5006904, mRNA, complete cds, RIKEN cDNA 3010033P07 gene, expressed sequence AL022771, expressed sequence AL022885, ribosomal protein S9	Attorney Docket 44921-5038-01WO Document No. 1935828.1
2900	9745	H31847	Q, R		EST, Weakly similar to DYJ2_HUMAN DYNEIN LIGHT INTERMEDIATE CHAIN 2, CYTOSOLIC [H.sapiens], LIC-2 dynein light intermediate chain 53/55, RIKEN cDNA 1110053F02 gene, dynein light chain-A, dynein, cytoplasmic, light intermediate polypeptide 2, expressed sequence AA409702	
22	15654	AA799501	KK, GGG, HHH, General Alternate		EST, Weakly similar to G02526 NADH dehydrogenase [H.sapiens], NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13), RIKEN cDNA 2900002J19 gene	
3187	20943	NM_012985	MM, TTT		EST, Weakly similar to G02526 NADH dehydrogenase [H.sapiens], NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13), RIKEN cDNA 2900002J19 gene	
4198	15653	X14210	CC, II		EST, Weakly similar to G02526 NADH dehydrogenase [H.sapiens], NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13), RIKEN cDNA 2900002J19 gene	
2972	1695	L35921	XX, YY, PPP, QQQ		EST, Weakly similar to GBG9 RAT GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-9 SUBUNIT [M.musculus], ESTs, Highly similar to AF188180.1 G-protein gamma 8 subunit [M.musculus], ESTs, Weakly similar to GBG8_MOUSE Guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-8 subunit (Gamma-9) [R.norvegicus], G-protein gamma 8 subunit, guanine nucleotide binding protein (G protein), gamma 2 subunit, guanine nucleotide binding protein (G protein), gamma 4 subunit, guanine nucleotide binding protein 4	

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935323.1						
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3572	15186	NM_030861	DD, EE		EST, Weakly similar to GNT1_RAT Alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I) (GNT-I) (GlcNAc-T I) [R.norvegicus], RIKEN cDNA 4930467B06 gene, mannoside acetylglucosaminyltransferase 1, mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	
3572	15187	NM_030861	FF, TT, NNN		EST, Weakly similar to GNT1_RAT Alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I) (GNT-I) (GlcNAc-T I) [R.norvegicus], RIKEN cDNA 4930467B06 gene, mannoside acetylglucosaminyltransferase 1, mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	
3572	15188	NM_030861	DD, EE, GG, OOO		EST, Weakly similar to GNT1_RAT Alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I) (GNT-I) (GlcNAc-T I) [R.norvegicus], RIKEN cDNA 4930467B06 gene, mannoside acetylglucosaminyltransferase 1, mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	
550	7226	AA892297	D		EST, Weakly similar to HDA2_HUMAN HISTONE DEACETYLASE 2 [H.sapiens], Mus musculus, Similar to hypothetical protein FLJ22237, clone MGC:27683 IMAGE:4913322, mRNA, complete cds, histone deacetylase 2	
3712	17734	NM_031970	Q, R		EST, Weakly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHHU27 heat shock protein 27 [H.sapiens], heat shock 27kD protein 1, hypothetical protein MGC10974	
3712	17735	NM_031970	Q		EST, Weakly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHHU27 heat shock protein 27 [H.sapiens], heat shock 27kD protein 1, hypothetical protein MGC10974	

TABLE 3						
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
3712	17736	NM_031970	Q, R, BBB, CCC		EST, Weakly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Highly similar to HHHU27 heat shock protein 27 [H.sapiens], ESTs, Moderately similar to HHHU27 heat shock protein 27 [H.sapiens], heat shock 27kD protein 1, hypothetical protein MGC10974	
3829	15615	NM_053800	DDD		EST, Weakly similar to Human Thioredoxin [H.sapiens], RIKEN cDNA 4930429J24 gene, thioredoxin, thioredoxin 1	
3445	17100	NM_022179	F		EST, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], ESTs, Moderately similar to HXK3_HUMAN HEXOKINASE TYPE III [H.sapiens], ESTs, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], hexokinase 2, hexokinase 3 (white cell)	
3445	17101	NM_022179	JJ, KK, FFF, HHH		EST, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], ESTs, Moderately similar to HXK3_HUMAN HEXOKINASE TYPE III [H.sapiens], ESTs, Weakly similar to HXK2 MOUSE HEXOKINASE TYPE II [M.musculus], hexokinase 2, hexokinase 3 (white cell)	
1723	9191	AI072107	A, B, OO, FFF, GGG, HHH, OOO, General Core Tox Markers		EST, Weakly similar to 173674 chlordecone reductase homolog [H.sapiens], ESTs, Highly similar to 2008147B protein RAKc [Rattus norvegicus] [R.norvegicus], ESTs, Highly similar to DBDD_HUMAN TRANS-1,2-DIHYDROBENZENE-1,2-DIOL DEHYDROGENASE [H.sapiens], ESTs, Moderately similar to DBDD_HUMAN TRANS-1,2-DIHYDROBENZENE-1,2-DIOL DEHYDROGENASE [H.sapiens], ESTs, Weakly similar to DHBX MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE, A-SPECIFIC [M.musculus], Homo sapiens truncated AKR mRNA for truncated aldo-keto reductase type B, partial cds, aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4), hydroxysteroid (17-beta) dehydrogenase 5	
1047	20827	AA963185	T		EST, Weakly similar to 178885 serine/threonine-specific protein kinase [H.sapiens], ESTs, Highly similar to RS28_HUMAN 40S RIBOSOMAL PROTEIN S28 [H.sapiens], ESTs, Moderately similar to RS28_HUMAN 40S RIBOSOMAL PROTEIN S28 [M.musculus], RNA polymerase 1-1 (40 kDa subunit), ribosomal protein S28	

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
480	17225	AA891553	General Core Tox Markers		EST, Weakly similar to IF37 MOUSE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 7 [M.musculus], eukaryotic translation initiation factor 3, subunit 7 (zeta, 66/67 kDa), eukaryotic translation initiation factor 3, subunit 7 (zeta, 66/67kD)		
1959	7414	AI137586	R		EST, Weakly similar to IMB3_HUMAN IMPORTIN BETA-3 SUBUNIT [H.sapiens], Homo sapiens cDNA FLJ12978 fis, clone NT2RP2006321, RAN binding protein 6, importin 4		
1176	26116	AA998471	D		EST, Weakly similar to JC1365 FK506/rapamycin-binding protein FKBP13 precursor [H.sapiens], FK506 binding protein 7, FK506 binding protein precursor		
1176	26117	AA998471	F, HH		EST, Weakly similar to JC1365 FK506/rapamycin-binding protein FKBP13 precursor [H.sapiens], FK506 binding protein 7, FK506 binding protein precursor		
					EST, Weakly similar to JC2324 LIM protein [H.sapiens], Homo sapiens cDNA FLJ13238 fis, clone OVARC1000440, RIKEN cDNA 2410002J21 gene, expressed sequence		
46	20093	AA799637	UUU		AV278559, expressed sequence AW123232, hypothetical protein FLJ10044, paxillin, transforming growth factor beta 1 induced transcript 1		
			M, V, FFF, General Core		EST, Weakly similar to JC2369 ribosomal protein L15, cytosolic [validated] - rat [R.norvegicus], ESTs, Highly similar to RL15_HUMAN 60S RIBOSOMAL PROTEIN L15 [H.sapiens], Homo sapiens, clone MGC:2392 IMAGE:2961444, mRNA, complete cds, RIKEN cDNA 2510008H07 gene, ribosomal protein L15		
4008	15239	NM_139114	Tox Markers		EST, Weakly similar to JC5111 cyclin-dependent kinase-related protein 1b - rat [R.norvegicus], EST, Weakly similar to S10889 proline-rich protein [H.sapiens], ESTs, Highly similar to KPT1 MOUSE SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 [M.musculus], ESTs, Weakly similar to KPT1 MOUSE SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 [M.musculus], PCTAIRE protein kinase 1, PCTAIRE-motif protein kinase 1		
3596	6348	NM_031077	PP, QQ		EST, Weakly similar to JC7286 liver-specific organic anion transporter-1 - mouse [M.musculus], ESTs, Weakly similar to JC7286 liver-specific organic anion transporter-1 mouse [M.musculus], RIKEN cDNA 1700022M03 gene, expressed sequence AI060904, solute carrier family 21 (organic anion transporter), member 10, solute carrier family 21 (organic anion transporter), member 6		
2031	20503	AI169779	B, PPP, General Core Tox Markers				

TABLE 3						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3664	20502	NM_031650	A, N		EST, Weakly similar to JC7286 liver-specific organic anion transporter-1 - mouse [M.musculus], ESTs, Weakly similar to JC7286 liver-specific organic anion transporter-1 mouse [M.musculus], RIKEN cDNA 1700022M03 gene, expressed sequence A1060904, solute carrier family 21 (organic anion transporter), member 10, solute carrier family 21 (organic anion transporter), member 6	Attorney Docket 44921-5038-01WO Document No. 1935928.1
434	16327	AA875050	DD, EE, JJ, OO, III, JJJ, OOO, General Core Tox Markers		EST, Weakly similar to KICE MOUSE CHOLINE/ETHANOLAMINE KINASE [M.musculus], RIKEN cDNA 4930555L11 gene, choline kinase-like, expressed sequence A197444, hypothetical protein FLJ10761	
2319	6628	A1178793	GG		EST, Weakly similar to MAN2_HUMAN ALPHA-MANNOSIDASE II [H.sapiens], KIAA0935 protein, mannosidase 2, alpha 1, mannosidase 2, alpha B1, mannosidase 2, alpha B2, mannosidase, alpha, class 2A, member 2, mannosidase, alpha, class 2B, member 1	
2982	17883	M11851	PP, QQ, III, JJJ		EST, Weakly similar to MLRV_RAT Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (MLC-2) [R.norvegicus], ESTs, Weakly similar to MLRV_RAT Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (MLC-2) [R.norvegicus], myosin light chain 2, precursor lymphocyte-specific, myosin light chain, phosphorylatable, cardiac ventricles, myosin, light polypeptide 2, regulatory, cardiac, slow, myosin, light polypeptide 5, regulatory	
473	18397	AA891242	KKK		EST, Weakly similar to MLRV_RAT Myosin regulatory light chain 2, ventricular/cardiac muscle isoform (MLC-2) [R.norvegicus], Rat heart myosin light chain 2 (MLC2) mRNA, 3' end, myosin light chain 2, precursor lymphocyte-specific, myosin light chain, phosphorylatable, cardiac ventricles, myosin, light polypeptide 2, regulatory, cardiac, slow	
455	24470	AA875523	GG		EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	



TABLE 3						
Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
669	24473	AA894200	Z, AA		EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	Attorney Docket 41921-5038-01WO Document No. 1935828.1
669	24474	AA894200	GG		EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	
4077	24469	S77858	J, Q, R, GG, II, EEE, FFF, HHH, MMM		EST, Weakly similar to MOHU6N myosin alkali light chain 6, nonmuscle form [H.sapiens], myosin light chain, alkali, nonmuscle, myosin, light polypeptide 6, alkali, smooth muscle and non-muscle	
2476	12587	A1229979	V, III, JJJ, General Core Tox Markers		EST, Weakly similar to MOT2_RAT Monocarboxylate transporter 2 (MCT 2) [R.norvegicus], ESTs, Weakly similar to MOT2 MOUSE MONOCARBOXYLATE TRANSPORTER 2 [M.musculus], ESTs, Weakly similar to MOT2_RAT Monocarboxylate transporter 2 (MCT 2) [R.norvegicus], ESTs, Weakly similar to MOT3_HUMAN MONOCARBOXYLATE TRANSPORTER 3 [H.sapiens], solute carrier family 16 (monocarboxylic acid transporters), member 6, solute carrier family 16 (monocarboxylic acid transporters), member 7	
4114	1558	U28504	GG, JJJ, NNN		EST, Weakly similar to NPT1_RAT RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 1 (SODIUM/PHOSPHATE COTRANSPORTER 1) (NA(+)/P) COTRANSPORTER 1) (RENAL SODIUM-PHOSPHATE TRANSPORT PROTEIN 1) (RENAL NA+-DEPENDENT PHOSPHATE COTRANSPORTER 1) [R.norvegicus], ESTs, Weakly similar to RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 1 [M.musculus], Mus musculus, Similar to solute carrier family 17 (sodium phosphate), member 2, clone MGC:19073 IMAGE:4193755, mRNA, complete cds, expressed sequence AW261723, solute carrier family 17 (sodium phosphate), member 1, solute carrier family 17 (sodium phosphate), member 2, solute carrier family 17 (sodium phosphate), member 3, solute carrier family 17 (sodium phosphate), member 4, solute carrier family 17 vesicular glutamate transporter), member 1	

TABLE 3						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
4114	1559	U28504	FF, GG, NNN		EST, Weakly similar to NPT1_RAT RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 1 (SODIUM/PHOSPHATE COTRANSPORTER 1) (NA(+)/PI COTRANSPORTER 1) (RENAL SODIUM-PHOSPHATE TRANSPORT PROTEIN 1) (RENAL NA+-DEPENDENT PHOSPHATE COTRANSPORTER 1) [R.norvegicus]. ESTs, Weakly similar to RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 1 [M.musculus], Mus musculus, Similar to solute carrier family 17 (sodium phosphate), member 2, clone MGC:19073 IMAGE:4193755, mRNA, complete cds, expressed sequence AW261723, solute carrier family 17 (sodium phosphate), member 1, solute carrier family 17 (sodium phosphate), member 2, solute carrier family 17 (sodium phosphate), member 3, solute carrier family 17 (sodium phosphate), member 4, solute carrier family 17 vesicular glutamate transporter), member 1	
393	14138	AA859700	E, General Alternate		EST, Weakly similar to PPOX MOUSE PROTOPORPHYRINOGEN OXIDASE [M.musculus], protoporphyrinogen oxidase	
393	14139	AA859700	E, III, JJJ, NNN, General Alternate		EST, Weakly similar to PPOX MOUSE PROTOPORPHYRINOGEN OXIDASE [M.musculus], protoporphyrinogen oxidase	
3797	20842	NM_053590	X, Y, RR, UUU		EST, Weakly similar to PRC5 MOUSE PROTEASOME COMPONENT C5 [M.musculus], ESTs, Weakly similar to PRC5 MOUSE PROTEASOME COMPONENT C5 [M.musculus], proteasome (prosome, macropain) subunit, beta type 1, proteasome (prosome, macropain) subunit, beta type, 1	
139	2109	AA817887	VV		EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus], EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], Mk1 protein, profilin 1	
2626	3073	A1233494	JJ, KKK, NNN		EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus], EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], profilin, profilin 1	
2626	3074	A1233494	JJ		EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus], EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], profilin, profilin 1	

TABLE 3

Seq ID		GenBank Acc/RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2626	3075	AI233494	F, JJ		EST, Weakly similar to PRO1 MOUSE PROFILIN I [M.musculus], EST, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], ESTs, Weakly similar to PRO2_HUMAN PROFILIN II [H.sapiens], profilin, profilin 1
3915	17413	NM_080909	T		EST, Weakly similar to PRP2 MOUSE PROLINE-RICH PROTEIN MP-2 PRECURSOR [M.musculus], ESTs, Weakly similar to PRP2 MOUSE PROLINE-RICH PROTEIN MP-2 PRECURSOR [M.musculus], ESTs, Weakly similar to T2D3_HUMAN TRANSCRIPTION INITIATION FACTOR TFIIID 135 KDA SUBUNIT [H.sapiens], Mus musculus brain cDNA, clone MNCb-3966, RIKEN cDNA 1110020C13 gene, TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135 kD, hypothetical protein FLJ20152, proline rich protein, reticulon 3
2868	2578	D50694	S, BBB, CCC, GGG		EST, Weakly similar to PRS7 MOUSE 26S PROTEASE REGULATORY SUBUNIT 7 [M.musculus], RIKEN cDNA 2300001E01 gene, proteasome (prosome, macropain) 26S subunit, ATPase 2, syntaxin 8
3735	2577	NM_033236	R, VV		EST, Weakly similar to PRS7 MOUSE 26S PROTEASE REGULATORY SUBUNIT 7 [M.musculus], RIKEN cDNA 2300001E01 gene, proteasome (prosome, macropain) 26S subunit, ATPase 2, syntaxin 8
1199	1291	AB000491	H, S		EST, Weakly similar to PRS8 MOUSE 26S PROTEASE REGULATORY SUBUNIT 8 [M.musculus], Homo sapiens mRNA; cDNA DKFZp586i1420 (from clone DKFZp586i1420); partial cds, YME1-like 1 (S. cerevisiae), hypothetical protein DKFZp667C165, protease (prosome, macropain) 26S subunit, ATPase 5, proteasome (prosome, macropain) 26S subunit, ATPase, 5, proteasome (prosome, macropain) 26S subunit, ATPase, 6
3627	18375	NM_031331	G, H, S		EST, Weakly similar to PSD4_HUMAN 26S PROTEASOME REGULATORY SUBUNIT S5A [H.sapiens], proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
3627	18376	NM_031331	SS		EST, Weakly similar to PSD4_HUMAN 26S PROTEASOME REGULATORY SUBUNIT S5A [H.sapiens], proteasome (prosome, macropain) 26S subunit, non-ATPase, 4

Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1985828.1						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
921	24521	AA945636	DDD		EST, Weakly similar to R6HUP1 acidic ribosomal protein P1, cytosolic [H.sapiens], ESTs, Highly similar to R6HUP1 acidic ribosomal protein P1, cytosolic [H.sapiens], ESTs, Weakly similar to RLA1 MOUSE 60S ACIDIC RIBOSOMAL PROTEIN P1 [M.musculus], expressed sequence A1255964, ribosomal protein, large, P1	
3511	19375	NM_022699	AA		EST, Weakly similar to R6RT30 ribosomal protein L30, cytosolic [validated] - rat [R.norvegicus], EST, Weakly similar to S45004 ribosomal protein L30, cytosolic [H.sapiens], ESTs, Highly similar to S45004 ribosomal protein L30, cytosolic [H.sapiens], ESTs, Moderately similar to S45004 ribosomal protein L30, cytosolic [H.sapiens]	
3599	15201	NM_031093	F		EST, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], ESTs, Weakly similar to Crystal Structure Of The Small G Protein Rap2a With Gdp {SUB 1-167 [H.sapiens], ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], v-ral simian leukemia viral oncogene homolog A (ras related)	
3599	15202	NM_031093	V, LL, WW		EST, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], ESTs, Weakly similar to Crystal Structure Of The Small G Protein Rap2a With Gdp {SUB 1-167 [H.sapiens], ESTs, Weakly similar to RALA MOUSE RAS-RELATED PROTEIN RAL-A [M.musculus], v-ral simian leukemia viral oncogene homolog A (ras related)	
4216	18606	X53504	G, H, CC, DDD, GGG, HHH, General Core Tox Markers		EST, Weakly similar to RL12_HUMAN 60S RIBOSOMAL PROTEIN L12 [H.sapiens], ESTs, Weakly similar to RL12_HUMAN 60S RIBOSOMAL PROTEIN L12 [H.sapiens], ribosomal protein L12	
4202	19244	X15013	G, H, JJJ		EST, Weakly similar to RL7A MOUSE 60S RIBOSOMAL PROTEIN L7A [M.musculus], RIKEN cDNA 4632404N19 gene, ribosomal protein L7a	



TABLE 3						Attorney Docket 44921-5033-01WO Document No. 1935323.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
1721	3912	A1072035	Z, AA		EST, Weakly similar to S37583 RING finger protein rfp - mouse [M.musculus], ESTs, Moderately similar to JE0343 terf protein - rat [R.norvegicus], ESTs, Weakly similar to JE0343 terf protein - rat [R.norvegicus], Homo sapiens, clone IMAGE:3678120, mRNA, partial cds, RIKEN cDNA 1810012B10 gene, expressed sequence AW538890, gene overexpressed in astrocytoma, hypothetical protein FLJ22612, hypothetical protein MGC13061, ring finger protein 27, tripartite motif protein 17, tripartite motif-containing 17		
2165	6678	A1175454	Q, R		EST, Weakly similar to S44204 procollagen-proline dioxygenase (EC 1.14.11.2) alpha chain - rat [R.norvegicus], ESTs, Weakly similar to DAHUA2 procollagen-proline dioxygenase [H.sapiens], Homo sapiens, clone IMAGE:3162218, mRNA, partial cds, hypothetical protein FLJ20262		
8	6050	AA686190	N, V		EST, Weakly similar to S49326 nascent polypeptide-associated complex alpha chain [H.sapiens], EST, Weakly similar to T30827 nascent polypeptide-associated complex alpha chain, non-muscle splice form - mouse [M.musculus], FKSG17, KIAA0363 protein, expressed sequence AL022831, nascent-polypeptide-associated complex alpha polypeptide		
1802	11953	A1102505	ILL		EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIa, heme-regulated initiation factor 2-alpha kinase		
1802	11954	A1102505	F, LL, RRR, UUU		EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIa, heme-regulated initiation factor 2-alpha kinase		
2978	11955	L48209	F		EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIa, heme-regulated initiation factor 2-alpha kinase		
3008	11956	M28255	ILL		EST, Weakly similar to S71929 cytochrome-c oxidase (EC 1.9.3.1) chain VIII precursor, hepatic - mouse [M.musculus], cytochrome c oxidase, subunit VIIa, heme-regulated initiation factor 2-alpha kinase		

TABLE 3						
Attorney Docket 44921-5083-01WO Document No. 1935328.1						
Seq ID	CLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence	Cluster Title
3481	8097	NM_022536	BB, CC		EST, Weakly similar to secreted cyclophilin-like protein [H.sapiens], ESTs, Weakly similar to cyclophilin B [Rattus norvegicus], RIKEN cDNA 3732410E19 gene, peptidylprolyl isomerase (cyclophilin)-like 1, peptidylprolyl isomerase B, peptidylprolyl isomerase B (cyclophilin B), peptidylprolyl isomerase C, peptidylprolyl isomerase C (cyclophilin C)	
2300	6502	A1178283	XX		EST, Weakly similar to SYFB_MOUSE PHENYLALANYL-TRNA SYNTHETASE BETA CHAIN (PHENYLALANINE--TRNA LIGASE BETA CHAIN) (PHERS) [M.musculus], Homo sapiens cDNA FLJ30727 fis, clone FEBRA2000007, highly similar to Homo sapiens putative phenylalanyl-tRNA synthetase beta-subunit mRNA, KIAA1185 protein, RIKEN cDNA 2900010D03 gene, expressed sequence C76708, phenylalanine-tRNA synthetase-like, phenylalanyl-tRNA synthetase beta-subunit	
1376	24022	A1011474	DDD		EST, Weakly similar to T00637 hypothetical protein H_GS541B18.1 [H.sapiens], golgi phosphoprotein 2	
1084	24166	AA964630	WW		EST, Weakly similar to T02345 hypothetical protein KIAA0324 [H.sapiens], ESTs, Weakly similar to T02345 hypothetical protein KIAA0324 [H.sapiens], Homo sapiens cDNA FLJ31094 fis, clone IMR321000165, polymerase I and transcript release factor, serine/arginine repetitive matrix 2	
3119	18718	NM_012695	X, Y		EST, Weakly similar to T10086 alcohol sulfoltransferase (EC 2.8.2.2) - mouse [M.musculus], ESTs, Weakly similar to SUH2_RAT Probable alcohol sulfoltransferase (Hydroxysteroid sulfoltransferase) (ST) (Senescence marker protein 2) (SMP-2) (Androgen-repressible liver protein) (Dehydroepiandrosterone sulfoltransferase) (DST) [R.norvegicus], RIKEN cDNA 2810007J24 gene, sulfoltransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA) -preferring, member 1, sulfoltransferase family, cytosolic, 2B, member 1, sulfoltransferase, hydroxysteroid preferring 2	
1036	22358	AA957624	T, V		EST, Weakly similar to T12456 hypothetical protein DKFZp564M2423.1 [H.sapiens], ESTs, Highly similar to T12456 hypothetical protein DKFZp564M2423.1 [H.sapiens], PAI 1 mRNA-binding protein, RIKEN cDNA 1200009K13 gene, intracellular hyaluronan-binding protein	



TABLE 3						
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
743	4942	AA924396	Q, R		EST, Weakly similar to T43481 probable mucin DKFZp434C196.1 [H.sapiens], ESTs, Weakly similar to T43481 probable mucin DKFZp434C196.1 [H.sapiens]	EST, Weakly similar to T43481 probable mucin DKFZp434C196.1 [H.sapiens], ESTs, Weakly similar to T43481 probable mucin DKFZp434C196.1 [H.sapiens]
9	21815	AA686423	RRR, UUU		EST, Weakly similar to T46390 hypothetical protein DKFZp434C192.1 [H.sapiens], hepatocellular carcinoma-associated antigen 59	EST, Weakly similar to T46390 hypothetical protein DKFZp434C192.1 [H.sapiens], hepatocellular carcinoma-associated antigen 59
1142	21812	AA997588	CCC		EST, Weakly similar to T46390 hypothetical protein DKFZp434C192.1 [H.sapiens], hepatocellular carcinoma-associated antigen 59	EST, Weakly similar to T46390 hypothetical protein DKFZp434C192.1 [H.sapiens], hepatocellular carcinoma-associated antigen 59
3461	17158	NM_022298	O, P		EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous	EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous
3461	17161	NM_022298	V, XX, YY		EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous	EST, Weakly similar to TBA1 MOUSE TUBULIN ALPHA-1 CHAIN [M.musculus], tubulin, alpha 1, tubulin, alpha 2, tubulin, alpha 3, tubulin, alpha 6, tubulin, alpha 7, tubulin, alpha, ubiquitous
411	13974	AA860030	O, P, VV		EST, Weakly similar to TBB5 MOUSE TUBULIN BETA-5 CHAIN [M.musculus], RIKEN cDNA 2310061K05 gene, RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930542G03 gene, tubulin, beta 5, tubulin, beta polypeptide, tubulin, beta 2, tubulin, beta, 5	EST, Weakly similar to TBB5 MOUSE TUBULIN BETA-5 CHAIN [M.musculus], RIKEN cDNA 2310061K05 gene, RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930542G03 gene, tubulin, beta 5, tubulin, beta polypeptide, tubulin, beta 2, tubulin, beta, 5
1208	13973	AB011679	O, P		EST, Weakly similar to TBB5 MOUSE TUBULIN BETA-5 CHAIN [M.musculus], RIKEN cDNA 2310061K05 gene, RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930542G03 gene, tubulin, beta 5, tubulin, beta polypeptide, tubulin, beta 2, tubulin, beta, 5	EST, Weakly similar to TBB5 MOUSE TUBULIN BETA-5 CHAIN [M.musculus], RIKEN cDNA 2310061K05 gene, RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930542G03 gene, tubulin, beta 5, tubulin, beta polypeptide, tubulin, beta 2, tubulin, beta, 5
1005	11050	AA956164	HHH, General Alternate		EST, Weakly similar to TCPE MOUSE T-COMPLEX PROTEIN 1, EPSILON SUBUNIT [M.musculus], ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], T-complex 1, chaperonin containing TCP1, subunit 5 (epsilon), chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 5 (epsilon), chaperonin subunit 7 (eta), t-complex protein 1	EST, Weakly similar to TCPE MOUSE T-COMPLEX PROTEIN 1, EPSILON SUBUNIT [M.musculus], ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], T-complex 1, chaperonin containing TCP1, subunit 5 (epsilon), chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 5 (epsilon), chaperonin subunit 7 (eta), t-complex protein 1
1700	9604	A1071230	JJ, KK		EST, Weakly similar to TESTIN 2 [M.musculus], Homo sapiens cDNA FLJ31627 fis, clone NT2R12003338, Homo sapiens cDNA FLJ31929 fis, clone NT2RP7006160	EST, Weakly similar to TESTIN 2 [M.musculus], Homo sapiens cDNA FLJ31627 fis, clone NT2R12003338, Homo sapiens cDNA FLJ31929 fis, clone NT2RP7006160

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3

Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
			General		EST, Weakly similar to TRI9_HUMAN THYROID RECEPTOR INTERACTING PROTEIN 9 [H.sapiens], nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, beta, nuclear factor of kappa light polypeptide gene enhancer in B-cells
778	23159	AA925318	Alternate		EST, Weakly similar to TVHUF protein-tyrosine kinase [H.sapiens], Homo sapiens mRNA; cDNA DKFZp586L1121 (from clone DKFZp586L1121), fer (fms/fps related) protein kinase, testis specific 2
1565	6941	A1044892	DDD, LLL		EST, Weakly similar to UB5C_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 3 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 3) [R.norvegicus], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens EST from clone 37208, full insert, RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)
672	15274	AA894258	L, HH		EST, Weakly similar to UB5C_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 3 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 3) [R.norvegicus], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens EST from clone 37208, full insert, RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)
704	15275	AA900187	D		EST, Weakly similar to UB5C_HUMAN Ubiquitin-conjugating enzyme E2-17 kDa 3 (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2(17)KB 3) [R.norvegicus], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens EST from clone 37208, full insert, RIKEN cDNA 1100001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)
3621	15273	NM_031237	PPP, QQQ		EST, Weakly similar to VLCS_HUMAN VERY-LONG-CHAIN ACYL-COA SYNTHETASE [H.sapiens], Homo sapiens cDNA FLJ23784 fis, clone HEP21238, VLCS H1 protein, fatty-acid-Coenzyme A ligase, very long-chain 1, hypothetical protein MGC4365, solute carrier family 27 (fatty acid transporter), member 2, solute carrier family 27 (fatty acid transporter), member 3
278	21310	AA850055	E		

TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1280	949	A1008687	WW		EST, Weakly similar to WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG [M.musculus], ESTs, Highly similar to WASL_RAT Neural Wiskott-Aldrich syndrome protein (N-WASP) [R.norvegicus], ESTs, Weakly similar to WISKOTT-ALDRICH SYNDROME PROTEIN HOMOLOG [M.musculus], Homo sapiens, clone MGC:24665 IMAGE:4252688, mRNA, complete cds, RIKEN cDNA 2600017H02 gene, RIKEN cDNA 4930474A20 gene, RIKEN cDNA 4930487N19 gene, Wiskott-Aldrich syndrome homolog (human), Wiskott-Aldrich syndrome-like, Wiskott-Aldrich syndrome-like (human), expressed sequence AA960202, fragile X mental retardation 1, hypothetical protein FLJ10159, hypothetical protein MGC12679, leukocyte receptor cluster (LRC) member 3	
2606	13377	A1233056	SS		EST, Weakly similar to ZF37_RAT Zinc finger protein 37 (Zfp-37) [R.norvegicus], ESTs, Moderately similar to I37961 zinc finger protein kox21 [H.sapiens], ESTs, Moderately similar to ZF93_MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], ESTs, Weakly similar to Z232_HUMAN ZINC FINGER PROTEIN 232 [H.sapiens], ESTs, Weakly similar to ZF93_MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], Mus musculus, Similar to zinc finger protein 85 (HPF4, HTF1), clone MGC:28872 IMAGE:4527362, mRNA, complete cds, hypothetical protein MGC13250, zinc finger protein 232, zinc finger protein 37, zinc finger protein 37 homolog (mouse), zinc finger protein 93	
4129	1623	U41164	N		EST, Weakly similar to ZF37_RAT Zinc finger protein 37 (Zfp-37) [R.norvegicus], ESTs, Weakly similar to ZF29_MOUSE ZINC FINGER PROTEIN 29 [M.musculus], ESTs, Weakly similar to ZF93_MOUSE ZINC FINGER PROTEIN 93 (ZFP-93) [M.musculus], expressed sequence AW557864, zinc finger protein 29, zinc finger protein 37, zinc finger protein 37 homolog (mouse)	
1839	2961	A103415	DD, EE, PP, QQ		EST, Weakly similar to ZF94_RAT Zinc finger protein 94 (Zfp-94) (Zinc finger protein Y1) (RLZF-Y) [R.norvegicus], ESTs, Moderately similar to I37956 zinc finger protein kox17 [H.sapiens], ESTs, Weakly similar to MLZ4_MOUSE ZINC FINGER PROTEIN MLZ-4 [M.musculus], RIKEN cDNA 2500002G23 gene, Rattus norvegicus zinc finger protein Y1 (RLZF-Y) mRNA, complete cds, zinc finger protein 99	

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
2697	14740	A1235511	Z, AA		EST, Weakly similar to ZF94_RAT Zinc finger protein 94 (Zfp-94) (Zinc finger protein Y1) (RLZF-Y) [R.norvegicus], ESTs, Moderately similar to I37956 zinc finger protein kox17 [H.sapiens], ESTs, Weakly similar to S47072 finger protein HZF10, Krueppel-related [H.sapiens], ESTs, Weakly similar to TC17 MOUSE TRANSCRIPTION FACTOR 17 [M.musculus], Rattus norvegicus zinc finger protein Y1 (RLZF-Y) mRNA, complete cds, hypermethylated in cancer 2, zinc finger protein 354A, zinc finger protein 99			
4025	16345	NM_145724	RR		EST, Weakly similar to ZF94_RAT Zinc finger protein 94 (Zfp-94) (Zinc finger protein Y1) (RLZF-Y) [R.norvegicus], ESTs, Moderately similar to I37956 zinc finger protein kox17 [H.sapiens], ESTs, Weakly similar to ZF94_MOUSE ZINC FINGER PROTEIN 94 (ZFP-94) [M.musculus], ESTs, Weakly similar to ZF94_RAT Zinc finger protein 94 (Zfp-94) (Zinc finger protein Y1) (RLZF-Y) [R.norvegicus], Homo sapiens cDNA FLJ30551 fis, clone BRAWH2001503, KIAA0426 gene product, hypothetical protein FLJ12298, zinc finger protein 99			
2887	930	E12159	RR		ESTs, Highly similar to 130kDa-Ins(1,4,5)P3 binding protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to 130kDa-Ins(1,4,5)P3 binding protein [Rattus norvegicus] [R.norvegicus], phospholipase C, delta, phospholipase C-like 1, phospholipase C-like 2			
3812	24204	NM_053670	C, UU		ESTs, Highly similar to calcitonin gene-related peptide-receptor component protein [Homo sapiens] [H.sapiens], calcitonin gene-related peptide-receptor component protein [Homo sapiens]			
2170	18507	A1175551	H, General Core Tox Markers, General Alternate		ESTs, Highly similar to eukaryotic translation elongation factor 1 beta 2; eukaryotic translation elongation factor 1 beta 1 [Homo sapiens] [H.sapiens], eukaryotic translation elongation factor 1 beta 2			
24	15303	AA799518	Q, R		ESTs, Highly similar to hypothetical protein FLJ13725; KIAA1930 protein [Homo sapiens] [H.sapiens]			

TABLE 3						
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
36	16576	AA799570	Q, R		ESTs, Highly similar to hypothetical protein FLJ13725; KIAA1930 protein [Homo sapiens] [H.sapiens]	
1886	18742	A1105131	U, FF, LL, XX, BBB, RRR, SSS, UUU		ESTs, Highly similar to lung alpha/beta hydrolase 1; alpha/beta hydrolase-1 [Mus musculus] [M.musculus], lung alpha/beta hydrolase 1, lung alpha/beta hydrolase 3	
30	17599	AA799539	Q, R		ESTs, Highly similar to lymphocyte activation-associated protein [Homo sapiens] [H.sapiens], ESTs, Weakly similar to KEAP_RAT Kelch-like ECH-associated protein 1 (Cytosolic inhibitor of Nrf2) [Nrf2] [R.norvegicus], Kelch-like ECH-associated protein 1, Mus musculus, Similar to KIAA0952 protein, clone MGC:25591 IMAGE:4011475, mRNA, complete cds, RIKEN cDNA 2700038B03 gene, kelch-like ECH-associated protein 1	
1145	13330	AA997716	X, Y		ESTs, Highly similar to lymphocyte activation-associated protein [Homo sapiens] [H.sapiens], ESTs, Weakly similar to KEAP_RAT Kelch-like ECH-associated protein 1 (Cytosolic inhibitor of Nrf2) [Nrf2] [R.norvegicus], Kelch-like ECH-associated protein 1, Mus musculus, Similar to KIAA0952 protein, clone MGC:25591 IMAGE:4011475, mRNA, complete cds, RIKEN cDNA 2700038B03 gene, kelch-like ECH-associated protein 1	
258	21171	AA848979	D		ESTs, Highly similar to MAP-kinase activating death domain; Rab3 GDP/GTP exchange protein [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MAP-kinase activating death domain; Rab3 GDP/GTP exchange protein [Rattus norvegicus] [R.norvegicus], MAP-kinase activating death domain, Mus musculus, Similar to MAP-kinase activating death domain, clone MGC:7838 IMAGE:3500720, mRNA, complete cds, RIKEN cDNA 2010004M01 gene, suppression of tumorigenicity 5	
1818	4898	A1102879	Q, R		ESTs, Highly similar to metastasis associated 1 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to metastasis associated 1 [Rattus norvegicus] [R.norvegicus], KIAA1266 protein, KIAA1610 protein, metastasis associated 1, metastasis associated 3	

Attorney Docket 44921-5038-01 WO Document No. 1935828.1

TABLE 3

Seq ID		GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3045	1991	M83196	UU			ESTs, Highly similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to microtubule-associated protein 1a [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to MAPA_MOUSE Microtubule-associated protein 1A (MAP 1A) [M.musculus], chromatin assembly factor 1, subunit A (p150), expressed sequence A1853608, microtubule-associated protein 1A
650	16912	AA893690	I, J, Z, AA, LL			ESTs, Highly similar to neuronal protein 17.3; similar to mouse neuronal protein 15.6 [Homo sapiens] [H.sapiens], nuclear protein 15.6
2413	16913	A1228236	QQQ			ESTs, Highly similar to neuronal protein 17.3; similar to mouse neuronal protein 15.6 [Homo sapiens] [H.sapiens], nuclear protein 15.6
2328	17890	A1179123	AA			ESTs, Highly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], NF-E2-related factor 2, nuclear factor (erythroid-derived 2)-like 1, nuclear factor (erythroid-derived 2)-like 2, nuclear factor, erythroid derived 2, like 1, nuclear, factor, erythroid derived 2, like 2
2258	1169	A1177161	GG, HH, II, FFF, KKK			ESTs, Highly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], nuclear factor (erythroid-derived 2)-like 2, nuclear factor, erythroid derived 2, like 3, nuclear, factor, erythroid derived 2, like 2
2258	1170	A1177161	J, GG, HH, KKK			ESTs, Highly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NF-E2-related factor 2 [Rattus norvegicus] [R.norvegicus], nuclear factor (erythroid-derived 2)-like 2, nuclear factor, erythroid derived 2, like 3, nuclear, factor, erythroid derived 2, like 2
3488	12192	NM_022545	M, HH			ESTs, Highly similar to phosphoribosylpyrophosphate synthetase-associated protein (39 kDa) [Rattus norvegicus] [R.norvegicus], Mus musculus, phosphoribosyl pyrophosphate synthetase-associated protein 2, clone MGC:36957 IMAGE:4947226, mRNA, complete cds, RIKEN cDNA 261010M19 gene, RIKEN cDNA 5730409F23 gene, phosphoribosyl pyrophosphate synthetase-associated protein 1

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3

Seq ID		CLCG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
						ESTs, Highly similar to phosphoribosylpyrophosphate synthetase-associated protein (39 kDa) [Rattus norvegicus] [R.norvegicus], Mus musculus, phosphoribosyl pyrophosphate synthetase-associated protein 2, clone MGC:36957 IMAGE:4947226, mRNA, complete cds, RIKEN cDNA 2610101M19 gene, RIKEN cDNA 5730409F23 gene, phosphoribosyl pyrophosphate synthetase-associated protein 1
3488	12193		NM_022545	M, EE		ESTs, Highly similar to protein translocation complex beta; protein transport protein SEC61 beta subunit [Homo sapiens] [H.sapiens], protein translocation complex beta
431	16215		AA874999	I, FF		ESTs, Highly similar to proteoglycan 3 (megakaryocyte stimulating factor, articular superficial zone protein) [Mus musculus] [M.musculus], proteoglycan 4 (megakaryocyte stimulating factor, articular superficial zone protein), proteoglycan 4, (megakaryocyte stimulating factor, articular superficial zone protein, camptodactyly, arthropathy, coxa vara, pericarditis syndrome), vitronectin
1926	4969		AI113008	V, BB, EEE, III, JJJ, MMM		
720	16465		AA901042	OOO, General Core Tox Markers, General Alternate		ESTs, Highly similar to RAN binding protein 16 [Mus musculus] [M.musculus], ESTs, Moderately similar to RAN binding protein 16 [Homo sapiens] [H.sapiens], RAN binding protein 16
2591	14070		AI232649	FF		ESTs, Highly similar to ribosomal protein S27a [Mus musculus] [M.musculus], ESTs, Highly similar to ubiquitin / ribosomal protein S27a [H.sapiens], Mus musculus, Similar to ubiquitin-like 4, clone MGC:19132 IMAGE:4215699, mRNA, complete cds, ribosomal protein S27a
3881	23307		NM_057119	HHH		ESTs, Highly similar to TLS-associated serine-arginine protein 1, isoform 1; TLS-associated serine-arginine protein 1; TLS-associated protein TASR [Homo sapiens] [H.sapiens], ESTs, Weakly similar to splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog) 10 [Rattus norvegicus] [R.norvegicus], Mus musculus hexaribonucleotide binding protein 3 (Hrbp3) mRNA, partial cds, RIKEN cDNA 1500010G04 gene, neural-salient serine/arginine-rich, silica-induced gene 41, splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)

Attorney Docket 44921-5038-01WO  
Document No. 1935323.1



TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935328.1						
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
					ESTs, Highly similar to TLS-associated serine-arginine protein 1, isoform 1; TLS-associated serine-arginine protein 1; TLS-associated protein TASR [Homo sapiens] [H.sapiens], ESTs, Weakly similar to splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog) 10 [Rattus norvegicus] [R.norvegicus], Mus musculus hexaribonucleotide binding protein 3 (Hrnbp3) mRNA, partial cds, RIKEN cDNA 1500010G04 gene, neural-salient serine/arginine-rich, silica-induced gene 41, splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)	
3881	23309	NM_057119	VV		ESTs, Highly similar to 0506206A histone H2B [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to 148401 histone H2b - mouse [M.musculus], H2B histone family, member A, H2B histone family, member D, H2B histone family, member G, H2B histone family, member K, Mus musculus, Similar to H2B histone family, member J, clone MGC:29103 IMAGE:5003093, mRNA, complete cds	
3501	12542	NM_022647	A, B		ESTs, Highly similar to 0506206A histone H2B [Rattus norvegicus] [R.norvegicus], H2B histone family, member A, H2B histone family, member B, H2B histone family, member D, H2B histone family, member G, H2B histone family, member H, H2B histone family, member K, histone family member	
1409	2250	A1012354	Q, R		ESTs, Highly similar to 1814460A p53-associated protein [H.sapiens], Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse), transformed mouse 3T3 cell double minute 2	
2828	20082	A1639488	F, II, VV		ESTs, Highly similar to 2008147A protein RAKb [Rattus norvegicus] [R.norvegicus], ESTs, Moderately similar to 2008147A protein RAKb [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to DHBX MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE, A-SPECIFIC [M.musculus], aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C12, aldo-keto reductase family 1, member C13	
128	5934	AA817695	A, I, J, FFF, OOO, General Core Tox Markers		ESTs, Highly similar to 40S RIBOSOMAL PROTEIN S23 [H.sapiens], Mus musculus, Similar to mitochondrial ribosomal protein S12, clone MGC:13892 IMAGE:4209358, mRNA, complete cds, mitochondrial ribosomal protein S12, ribosomal protein S23	
2620	23296	A1233316	X, Y, LLL, UUU			

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
371	14124	AA859305	VV, HHH		ESTs, Highly similar to A25530 tropomyosin, fibroblast [H.sapiens], ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus]			
3893	14125	NM_057208	VV		ESTs, Highly similar to A25530 tropomyosin, fibroblast [H.sapiens], ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus]			
1254	8368	A1007808	DD, EE		ESTs, Highly similar to A37056 AMP deaminase (EC 3.5.4.6), brain - rat (fragment) [R.norvegicus], Homo sapiens cDNA: FLJ22545 fis, clone HSI00239, RIKEN cDNA 1200014F01 gene, adenosine monophosphate deaminase 2 (isoform L), expressed sequence A1553520			
3346	20848	NM_017343	A, B, P		ESTs, Highly similar to A37100 myosin regulatory light chain A, smooth muscle - rat [R.norvegicus], RIKEN cDNA 2900073G15 gene, myosin light chain, phosphorylatable, cardiac ventricles, myosin regulatory light chain, myosin, light polypeptide, regulatory, non-sarcomeric (20kD)			
3346	20849	NM_017343	A, TT		ESTs, Highly similar to A37100 myosin regulatory light chain A, smooth muscle - rat [R.norvegicus], RIKEN cDNA 2900073G15 gene, myosin light chain, phosphorylatable, cardiac ventricles, myosin regulatory light chain, myosin, light polypeptide, regulatory, non-sarcomeric (20kD)			
3870	16964	NM_053999	Q, R		ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], RIKEN cDNA 2410004D02 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform			
3870	16965	NM_053999	Q, R		ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], RIKEN cDNA 2410004D02 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform			
4037	16969	NM_147215	O, P		ESTs, Highly similar to A38351 phosphoprotein phosphatase 2-alpha regulatory chain [H.sapiens], RIKEN cDNA 2410004D02 gene, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform			

TABLE 3							Attorney Docket 44921-5038-01WQ Document No. 1935328.1	
Seq ID	CLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3044	4198	M83143	F, S, U, BB, CC, TT, III, JJJ, LLL, OOO, SSS, UUU, General Alternate		ESTs, Highly similar to A41734 beta-galactoside alpha-2,6-sialyltransferase [H.sapiens], sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase), sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase)			
3044	4199	M83143	E, F, G, U, LL, CCC, LLL, RRR, SSS, UUU		ESTs, Highly similar to A41734 beta-galactoside alpha-2,6-sialyltransferase [H.sapiens], sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase), sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase)			
3877	17709	NM_057101	E, J, W, UU, III, JJJ, KKK, NNN		ESTs, Highly similar to A45445 janusin precursor, long form - rat [R.norvegicus], ESTs, Weakly similar to JQ1322 tenascin precursor - mouse [M.musculus], Tenascin-R (Restrictin, janusin, J1-160/180), tenascin R (restrictin, janusin), tenascin XB			
3101	18726	NM_012645	F, M, DDD, LLL, RRR, UUU, General Alternate		ESTs, Highly similar to A45840 MHC class I histocompatibility antigen RT-BM1 alpha chain - rat (fragment) [R.norvegicus], Homo sapiens, clone IMAGE:4694038, mRNA, partial cds, histocompatibility 2, T region locus 23			
3425	18724	NM_021585	F		ESTs, Highly similar to A45840 MHC class I histocompatibility antigen RT-BM1 alpha chain - rat (fragment) [R.norvegicus], Homo sapiens, clone IMAGE:4694038, mRNA, partial cds, histocompatibility 2, T region locus 23			
4001	16444	NM_139096	O, P, UU, VV		ESTs, Highly similar to A53202 cyclophilin C-associated protein MAMA/CyCAP precursor - mouse [M.musculus], ESTs, Moderately similar to DMBT1 protein, 5.8 kb transcript [H.sapiens], ESTs, Weakly similar to A47161 Mac-2-binding glycoprotein precursor [H.sapiens], ESTs, Weakly similar to T42721 CRP-ductin-alpha precursor - mouse [M.musculus], KIAA1822 protein, RIKEN cDNA 1110004B06 gene, RIKEN cDNA 1500005102 gene, crp-ductin, deleted in malignant brain tumors 1, lectin, galactoside-binding, soluble, 3 binding protein, peptidylprolyl isomerase C-associated protein			

TABLE 3

Attorney Docket 44921-5033-01WO  
Document No. 1935323.1

Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
415	15884	AA866276	O, P, PP		ESTs, Highly similar to A54602 microtubule-associated serine/threonine protein kinase MAST205 - mouse [M.musculus], ESTs, Moderately similar to A54602 microtubule-associated serine/threonine protein kinase MAST205 - mouse [M.musculus], Homo sapiens cDNA: FLJ21699 fis, clone COL09829, KIAA0303 protein, KIAA0561 protein, KIAA0807 protein, Mus musculus adult male cecum cDNA, RIKEN full-length enriched library, clone 9130026D18:syntrophin associated serine/threonine kinase, full insert sequence, microtubule associated testis specific serine/threonine protein kinase, syntrophin associated serine/threonine kinase
2971	1791	L28801	RR, OOO		ESTs, Highly similar to A56011 transcription factor IliC alpha chain - rat [R.norvegicus], ESTs, Moderately similar to A56011 transcription factor IliC alpha chain - rat [R.norvegicus], ESTs, Weakly similar to A56011 transcription factor IliC alpha chain - rat [R.norvegicus], general transcription factor III C 1, general transcription factor IliC, polypeptide 1 (alpha subunit, 220kD)
2013	23427	AI169321	U, BBB, CCC		ESTs, Highly similar to ACYL-COA DEHYDROGENASE, MEDIUM-CHAIN SPECIFIC PRECURSOR [M.musculus], acetyl-Coenzyme A dehydrogenase, medium chain, acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain, expressed sequence A1266902, expressed sequence D17825, glutaryl-Coenzyme A dehydrogenase, hypothetical protein FLJ12592
3526	20681	NM_022952	G, H		ESTs, Highly similar to AP19_HUMAN CLATHRIN COAT ASSEMBLY PROTEIN AP19 [H.sapiens], ESTs, Highly similar to clathrin-associated protein AP17 delta [H.sapiens], ESTs, Weakly similar to A2S1_MOUSE Clathrin coat assembly protein AP17 (Clathrin coat associated protein AP17) (Plasma membrane adaptor AP-2 17 kDa protein) (HA2 17 kDa subunit) (Clathrin assembly protein 2 small chain) [R.norvegicus], Homo sapiens, clone MGC:17284 IMAGE:4340257, mRNA, complete cds, adaptor-related protein complex 2, sigma 1 subunit, expressed sequence A1043088
915	22606	AA945580	VV		ESTs, Highly similar to ARG2_RAT Arginase II, mitochondrial precursor (Non-hepatic arginase) (Kidney-type arginase) [R.norvegicus], RIKEN cDNA 5033405N08 gene, agmatine ureohydrolase (agmatinase), arginase type II, arginase, type II

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935328.1						
Seq. ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
915	22607	AA945580	VV		ESTs, Highly similar to ARG2_RAT Arginase II, mitochondrial precursor (Non-hepatic arginase) (Kidney-type arginase) [R.norvegicus], RIKEN cDNA 5033405N08 gene, agmatine ureohydrolase (agmatinase), arginase type II, arginase, type II	
3391	17507	NM_019299	A, B, TT		ESTs, Highly similar to B Chain B, Peptide-In-Groove Interactions Link Target Proteins To The B-Propeller Of Clathrin [R.norvegicus], RIKEN cDNA 1700034F02 gene, clathrin, heavy polypeptide (Hc), clathrin, heavy polypeptide-like 1, expressed sequence R74732	
3289	18925	NM_017147	Z, AA, HH		ESTs, Highly similar to BMHU6 bone morphogenetic protein 6 precursor [H.sapiens], ESTs, Moderately similar to S37618 vgr protein - rat (fragment) [R.norvegicus], bone morphogenetic protein 5, bone morphogenetic protein 6, bone morphogenetic protein 7, bone morphogenetic protein 7 (osteogenic protein 1), bone morphogenetic protein 8 (osteogenic protein 2)	
2141	21564	A1172301	E		ESTs, Highly similar to C Chain C, Structure Of A Cbl-Ubch7 Complex: Ring Domain Function In Ubiquitin-Protein Ligases [H.sapiens], ESTs, Weakly similar to ubiquitin-conjugating enzyme E2D 2 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 1700013N18 gene, ubiquitin-conjugating enzyme 8, ubiquitin-conjugating enzyme E2D 2, ubiquitin-conjugating enzyme E2L 3, ubiquitin-conjugating enzyme E2L 6	
2203	20001	A1176396	LL		ESTs, Highly similar to C560_HUMAN SUCCINATE DEHYDROGENASE CYTOCHROME B560 SUBUNIT, MITOCHONDRIAL PRECURSOR [H.sapiens]	
3780	19205	NM_053522	Q, R		ESTs, Highly similar to Cdc42 From Human, Nmr, 20 Structures [H.sapiens], Mus musculus mRNA for small GTPase Tc10, complete cds, cell division cycle 42 (GTP binding protein, 25kD), cell division cycle 42 homolog (S. cerevisiae), ras homolog gene family, member J, ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935938.1						
Seq ID	GLCC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3451	20385	NM_022229	G, H, S, T, U		ESTs, Highly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Moderately similar to CH60 MOUSE 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [M.musculus], ESTs, Weakly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], heat shock 60kD protein 1 (chaperonin), heat shock protein, 60 kDa	
4160	20386	U68562	Q, R, S, T, BBB, CCC		ESTs, Highly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], ESTs, Moderately similar to CH60 MOUSE 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [M.musculus], ESTs, Weakly similar to CH60_HUMAN 60 KDA HEAT SHOCK PROTEIN, MITOCHONDRIAL PRECURSOR [H.sapiens], heat shock 60kD protein 1 (chaperonin), heat shock protein, 60 kDa	
993	12426	AA955760	YY		ESTs, Highly similar to CIA1_HUMAN WD40-REPEAT CONTAINING PROTEIN CIAO 1 [H.sapiens], ESTs, Weakly similar to LIS1_MOUSE Platelet-activating factor acetylhydrolase IB alpha subunit (PAF acetylhydrolase 45 kDa subunit) (PAF-AH 45 kDa subunit) (PAF-AH alpha) (PAFAH alpha) (Lissencephaly-1 protein) (LIS-1) [R.norvegicus], F-box and WD-40 domain protein 7 (archipelago homolog, Drosophila), Homo sapiens cDNA FLJ31861 fis, clone NT2RP7001319, Homo sapiens, clone MGC:4710 IMAGE:3534806, mRNA, complete cds, Mus musculus F-box-WD40 repeat protein 6 (Fbxw6) mRNA, complete cds, Mus musculus, Similar to RIKEN cDNA 1500041N16 gene, clone MGC:12066 IMAGE:3708188, mRNA, complete cds, nuclear receptor co-repressor/HDAC3 complex subunit, platelet-activating factor acetylhydrolase beta subunit (PAF-AH beta), platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit, platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit (45kD), transducin (beta)-like 1	
3926	18846	NM_130755	F		ESTs, Highly similar to citrate synthase [H.sapiens], RIKEN cDNA 1700007H16 gene, citrate synthase	

TABLE 3						
Attorney Docket 44921-5038-01WQ Document No. 1933823.1						
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2734	17571	A1236484	XX, YY		ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to ROA3_HUMAN HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A3 [H.sapiens], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H. sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1, heterogeneous nuclear ribonucleoprotein A3, hypothetical protein 23851	
23	17613	AA799511	B, JJ, WW, DDD, HHH, General Alternate		ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H. sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1	



TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
240	17614	AA848306	SS		ESTs, Highly similar to DDRT helix-destabilizing protein - rat [R.norvegicus], ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Weakly similar to ROA2 MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS A2/B1 [M.musculus], Mus musculus, similar to heterogeneous nuclear ribonucleoprotein A3 (H.sapiens), clone MGC:37309 IMAGE:4975085, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 3010025E17 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A2/B1	
3850	15718	NM_053907	HH, General Alternate		ESTs, Highly similar to DRNG_HUMAN DEOXYRIBONUCLEASE GAMMA PRECURSOR [H.sapiens], RIKEN cDNA 2310005K03 gene, deoxyribonuclease 1-like 3, deoxyribonuclease 1-like 1, deoxyribonuclease 1-like 3	
2105	6582	AI171726	Z, OOO		ESTs, Highly similar to ERR3_HUMAN ESTROGEN-RELATED RECEPTOR GAMMA [H.sapiens], estrogen related receptor, alpha, estrogen-related receptor alpha, estrogen-related receptor gamma	
1426	2242	AI012635	L, O, P, UU, KKK, General Alternate		ESTs, Highly similar to FMO3_HUMAN DIMETHYLANILINE MONOOXYGENASE [H.sapiens], ESTs, Weakly similar to FMO3_HUMAN DIMETHYLANILINE MONOOXYGENASE [H.sapiens], Mus musculus flavin-containing monooxygenase 4 mRNA, complete cds, flavin containing monooxygenase 2, flavin containing monooxygenase 3, flavin containing monooxygenase 5	
80	16653	AA799996	Z, AA		ESTs, Highly similar to GBG5_HUMAN GUANINE NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-5 SUBUNIT [H.sapiens], G protein gamma-5 subunit, Mus musculus, guanine nucleotide binding protein (G protein), gamma 5, clone MGC:12061 IMAGE:3707994, mRNA, complete cds, Mus musculus, guanine nucleotide binding protein (G protein), gamma 5, clone MGC:8292 IMAGE:3593324, mRNA, complete cds, guanine nucleotide binding protein (G protein), gamma 5	
3956	1546	NM_133595	KKK, PPP, QQQ, General Alternate		ESTs, Highly similar to GFRP RAT GTP CYCLOHYDROLASE I FEEDBACK REGULATORY PROTEIN [R.norvegicus], GTP cyclohydrolase I feedback regulatory protein	

TABLE 3				Attorney Docket 44921-5088-01WO Document No. 1935828.1	
Seq ID	GLCG ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
					ESTs, Highly similar to GTO1_RAT Glutathione transferase omega 1 (GSTO 1-1) (Glutathione-dependent dehydroascorbate reductase) [R.norvegicus], ESTs, Weakly similar to GTXH_HUMAN GLUTATHIONE-S-TRANSFERASE HOMOLO [H.sapiens], RIKEN cDNA 1700020F09 gene, glutathione S-transferase omega 1, glutathione transferase zeta 1 (maleylacetoacetate isomerase), glutathione-S-transferase like; glutathione transferase omega
1996	17812	A169075	PPP, QQQ		
1344	15644	A1010256	C, L, W, WW		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
1905	24211	A1111853	E		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
1936	24212	A1136747	PPP, QQQ		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
2009	24213	A1169289	LL		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
3863	15642	NM_053985	C, I, J, N, W, II, MM, WW, OOO, TTT		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
3863	15643	NM_053985	W		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene
3863	15645	NM_053985	W		ESTs, Highly similar to H33_HUMAN HISTONE H3.3 [H.sapiens], H3 histone, family 3A, H3 histone, family 3B, H3 histone, family 3B (H3.3B), RIKEN cDNA 1810027O10 gene

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935328.1						
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
368	19105	AA859230	II		ESTs, Highly similar to HG14_HUMAN NONHISTONE CHROMOSOMAL PROTEIN HMG-1 [H.sapiens], ESTs, Highly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus], ESTs, Weakly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus], high mobility group nucleosomal binding domain 2, high-mobility group (nonhistone chromosomal) protein 17, thyroid hormone receptor interactor 7	
2726	13911	A1236262	Q, R		ESTs, Highly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], ESTs, Moderately similar to HMG1 MOUSE HIGH MOBILITY GROUP PROTEIN HMG1 [M.musculus], ESTs, Moderately similar to high mobility group protein homolog HMG4 [M.musculus], ESTs, Weakly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], High mobility group 1, Mus musculus thymus high mobility group box protein TOX (Tox) mRNA, complete cds, RIKEN cDNA 4932431P20 gene, high mobility group box 1, high mobility group box 3, high-mobility group (nonhistone chromosomal) protein 1, high-mobility group (nonhistone chromosomal) protein 4	
3183	19108	NM_012963	V		ESTs, Highly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], ESTs, Moderately similar to HMG1 MOUSE HIGH MOBILITY GROUP PROTEIN HMG1 [M.musculus], ESTs, Moderately similar to high mobility group protein homolog HMG4 [M.musculus], ESTs, Weakly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], RIKEN cDNA 4932431P20 gene, Rattus norvegicus epidermal Langerhans cell protein LCP1 mRNA, complete cds, high mobility group 20A, high mobility group box 1, high-mobility group (nonhistone chromosomal) protein 1, high-mobility group 20A	

TABLE 3						
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
					ESTs, Highly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], ESTs, Moderately similar to HMG1 MOUSE HIGH MOBILITY GROUP PROTEIN HMG1 [M.musculus], ESTs, Moderately similar to high mobility group protein homolog HMG4 [M.musculus], ESTs, Weakly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], RIKEN cDNA 4932431P20 gene, Rattus norvegicus epidermal Langerhans cell protein LCP1 mRNA, complete cds, high mobility group 20A, high mobility group box 1, high-mobility group (nonhistone chromosomal) protein 1, high-mobility group 20A	
3183	19109	NM_012963	JJ, KK		ESTs, Highly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], ESTs, Moderately similar to HMG1 MOUSE HIGH MOBILITY GROUP PROTEIN HMG1 [M.musculus], ESTs, Moderately similar to high mobility group protein homolog HMG4 [M.musculus], ESTs, Weakly similar to HMG1_HUMAN HIGH MOBILITY GROUP PROTEIN HMG1 [H.sapiens], RIKEN cDNA 4932431P20 gene, Rattus norvegicus epidermal Langerhans cell protein LCP1 mRNA, complete cds, high mobility group 20A, high mobility group box 1, high-mobility group (nonhistone chromosomal) protein 1, high-mobility group 20A	
3183	19110	NM_012963	JJ, KK, PP, QQ, HHH		ESTs, Highly similar to HS9A_HUMAN HEAT SHOCK PROTEIN HSP 90-ALPHA [H.sapiens], ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3584589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1	
233	19433	AA819776	K, XX, YY		ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3584589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1	
876	20795	AA944397	K		ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3584589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1	

TABLE 3

Attorney Docket 44921-5038-01WO  
Document No. 1935323.1

Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2214	16518	AI176546	H, T, II		ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], Mus musculus, clone IMAGE:3584589, mRNA, partial cds, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, heat shock protein, 86 kDa 1
1058	18648	AA963782	SS		ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], RIKEN cDNA 1810014B01 gene, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, tumor rejection antigen (gp96) 1, tumor rejection antigen gp96
4071	18647	S69316	LL		ESTs, Highly similar to HS9B_RAT Heat shock protein HSP 90-beta (HSP 84) [R.norvegicus], ESTs, Highly similar to T46243 hypothetical protein DKFZp761K0511.1 [H.sapiens], RIKEN cDNA 1810014B01 gene, expressed sequence C81438, heat shock 90kD protein 1, beta, heat shock protein, 84 kDa 1, tumor rejection antigen (gp96) 1, tumor rejection antigen gp96
1319	19092	AI009501	KKK		ESTs, Highly similar to Human Translation Initiation Factor Eif1, Nmr, 29 Structures [H.sapiens], putative translation initiation factor, suppressor of initiator codon mutations, related sequence 1 (S. cerevisiae)
2554	19094	AI232021	C		ESTs, Highly similar to Human Translation Initiation Factor Eif1, Nmr, 29 Structures [H.sapiens], putative translation initiation factor, suppressor of initiator codon mutations, related sequence 1 (S. cerevisiae)
1807	22487	AI102578	A		ESTs, Highly similar to I49523 Mouse primary response gene B94 mRNA, 3'end - mouse [M.musculus], RIKEN cDNA 1600013K19 gene, hypothetical protein MGC16332, tumor necrosis factor, alpha-induced protein 2
315	21489	AA851443	GG		ESTs, Highly similar to I49523 Mouse primary response gene B94 mRNA, 3'end - mouse [M.musculus], RIKEN cDNA 1600013K19 gene, similar to S. cerevisiae Sec6p and R. norvegicus rsec6, tumor necrosis factor, alpha-induced protein 2

TABLE 3						
Attorney Docket 44921-5036-01WO Document No. 1935323.1						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
4119	21488	U32575	GG, PP, QQ		ESTs, Highly similar to I49523 Mouse primary response gene B94 mRNA, 3'end - mouse [M.musculus], RIKEN cDNA 1600013K19 gene, similar to S. cerevisiae Sec6p and R. norvegicus rsec6, tumor necrosis factor, alpha-induced protein 2	
2602	12873	A1232984	II		ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to I38616 zinc finger protein ZNF139 [H.sapiens], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda10/2, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97	
2377	19828	A180087	F		ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to Z177_HUMAN ZINC FINGER PROTEIN 177 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146), Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda10/2, zinc finger protein 177, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97	
3830	19827	NM_053806	PP, QQ, YY, PPP, QQQ		ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Weakly similar to Z177_HUMAN ZINC FINGER PROTEIN 177 [H.sapiens], Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146), Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda10/2, zinc finger protein 177, zinc finger protein 260, zinc finger protein 63, zinc finger protein 97	

TABLE 3							Attorney Docket 44921-5038-01W6 Document No. 1933828.1	
Seq ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
					ESTs, Highly similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I49636 DNA-binding protein - mouse [M.musculus], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Mus musculus, Similar to zinc finger protein 97, clone MGC:6111 IMAGE:3494875, mRNA, complete cds, Pancreas zinc finger protein, see also D1Bda102, zinc finger protein 136 (clone pHZ-20), zinc finger protein 260, zinc finger protein 63, zinc finger protein 97			
1689	26184	A1070784	II		ESTs, Highly similar to I58408 IK factor [H.sapiens], IK cytokine			
1125	8786	AA996993	K		ESTs, Highly similar to I67428 retinoic acid receptor homolog - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma			
966	23584	AA955071	J, GG, HH, General Core Tox Markers		ESTs, Highly similar to I67428 retinoic acid receptor homolog - rat (fragment) [R.norvegicus], retinoid X receptor gamma, retinoid X receptor, gamma			
1222	19649	AF016387	XX, YY		ESTs, Highly similar to IEF5_HUMAN TRANSFORMATION-SENSITIVE PROTEIN IEF SSP 3521 [H.sapiens], ESTs, Weakly similar to small glutamine-rich tetratricopeptide repeat (TPR) containing protein (SGT) [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:27660 IMAGE:4527683, mRNA, complete cds, RIKEN cDNA 5330427H01 gene, hypothetical protein FLJ12788, small glutamine-rich tetratricopeptide repeat (TPR) containing protein (SGT), small glutamine-rich tetratricopeptide repeat (TPR)-containing, stress-induced phosphoprotein 1, stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)			
3996	11840	NM_138911	H, Z, AA, DD		ESTs, Highly similar to IF34 MOUSE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 4 [M.musculus], ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], Nucleolin, RIKEN cDNA 0610008K04 gene, eukaryotic translation initiation factor 3, subunit 4 (delta, 44 kDa), eukaryotic translation initiation factor 3, subunit 4 (delta, 44kD), nucleolin, pigpen			
1667	9067	A1070087	FFF, General Core Tox Markers, General Alternate					



TABLE 3

Seq ID		CLCC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
4271	1764	X83399	R			ESTs, Highly similar to IF4E_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 4E [H.sapiens], RIKEN cDNA 1300018P11 gene, RIKEN cDNA 2700069E09 gene, eukaryotic translation initiation factor 4E, eukaryotic translation initiation factor 4E-like 3
1363	21659	AI010584	LL			ESTs, Highly similar to IFM3_HUMAN INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 [H.sapiens], ESTs, Highly similar to S17182 interferon-induced protein 1-8U [H.sapiens], RIKEN cDNA 1110004C05 gene, interferon induced transmembrane protein 1 (9-27), interferon induced transmembrane protein 3 (1-8U)
2030	21660	AI169751	BB, EEE, MMM			ESTs, Highly similar to IFM3_HUMAN INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 [H.sapiens], ESTs, Highly similar to S17182 interferon-induced protein 1-8U [H.sapiens], RIKEN cDNA 1110004C05 gene, interferon induced transmembrane protein 1 (9-27), interferon induced transmembrane protein 3 (1-8U)
4235	21657	X61381	BB, CC, GG, HH, NN, OO, PP, QQ, LLL			ESTs, Highly similar to IFM3_HUMAN INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 [H.sapiens], ESTs, Highly similar to S17182 interferon-induced protein 1-8U [H.sapiens], RIKEN cDNA 1110004C05 gene, interferon induced transmembrane protein 1 (9-27), interferon induced transmembrane protein 3 (1-8U)
2085	3664	AI171289	GG			ESTs, Highly similar to JC2472 brain and reproductive organ-expressed protein [H.sapiens], brain and reproductive organ-expressed (TNFRSF1A modulator)
2137	2140	AI172272	XX, General Alternate			ESTs, Highly similar to JC4577 transcription elongation factor T1 [H.sapiens], ESTs, Highly similar to Transcriptional Elongation Factor Sii [H.sapiens], ESTs, Weakly similar to JC5430 transcription elongation factor S-II-T1, testis-specific - mouse [M.musculus], Homo sapiens cDNA: FLJ23371 fis, clone HEP16068, highly similar to HSTFIISH Homo sapiens mRNA for transcription elongation factor TFIIS, PHD finger protein 3, transcription elongation factor A (SII), 3
152	3016	AA818069	EE			ESTs, Highly similar to JE0190 polyubiquitin unit [H.sapiens], ESTs, Highly similar to UQHUC polyubiquitin 9 [H.sapiens], Homo sapiens, Similar to orosomucoid 1, clone MGC:24263 IMAGE:3934516, mRNA, complete cds, expressed sequence AL033289, ubiquitin B, ubiquitin C

Attorney Docket 44921-5038-01WO  
Document No. 1935928.1

TABLE 3

Seq ID	CLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3991	3015	NM_138895	T		ESTs, Highly similar to JE0190 polyubiquitin unit [H.sapiens], ESTs, Highly similar to UQHUC polyubiquitin 9 [H.sapiens], Homo sapiens, Similar to orosomucoid 1, clone MGC:24263 IMAGE:3934516, mRNA, complete cds, expressed sequence AL033289, ubiquitin B, ubiquitin C
2407	12413	AI227953	D		ESTs, Highly similar to K6A1_RAT Ribosomal protein S6 kinase alpha 1 (S6K-alpha 1) (90 kDa ribosomal protein S6 kinase 1) (p90-RSK 1) (Ribosomal S6 kinase 1) (RSK-1) (pp90RSK1) [R.norvegicus], Mus musculus, clone IMAGE:3156601, mRNA, S6 protein kinase (Rsk-1), ribonuclease P1, ribosomal protein S6 kinase polypeptide 1, ribosomal protein S6 kinase, 90kD, polypeptide 1
461	2846	AA875639	V		ESTs, Highly similar to LB4D_HUMAN NADP-DEPENDENT LEUKOTRIENE B4 12-HYDROXYDEHYDROGENASE [H.sapiens], ESTs, Weakly similar to LB4D_HUMAN NADP-DEPENDENT LEUKOTRIENE B4 12-HYDROXYDEHYDROGENASE [H.sapiens], Homo sapiens, clone IMAGE:4793702, mRNA, Mus musculus, clone MGC:32469 IMAGE:5050433, mRNA, complete cds, crystallin, zeta, fatty acid synthase, quinone oxidoreductase homolog
3231	1258	NM_013185	VV		ESTs, Highly similar to LCK MOUSE PROTO-ONCOGENE TYROSINE-PROTEIN KINASE LCK [M.musculus], RIKEN cDNA 8430404F20 gene, hemopoietic cell kinase, lymphocyte protein tyrosine kinase, lymphocyte-specific protein tyrosine kinase, src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites
917	12314	AA945596	G, GG, HH, VV		ESTs, Highly similar to LCT2_HUMAN LEUKOCYTE CELL-DERIVED CHEMOTAXIN 2 PRECURSOR [H.sapiens], leukocyte cell-derived chemotaxin 2
644	3465	AA893611	ZZ, AAA		ESTs, Highly similar to MXI1_RAT MAX interacting protein 1 (MXI1 protein) [R.norvegicus], ESTs, Weakly similar to MXI1_RAT MAX interacting protein 1 (MXI1 protein) [R.norvegicus], MAX dimerization protein, MAX interacting protein 1, Max interacting protein 1
2788	3467	AI237835	E		ESTs, Highly similar to MXI1_RAT MAX interacting protein 1 (MXI1 protein) [R.norvegicus], ESTs, Weakly similar to MXI1_RAT MAX interacting protein 1 (MXI1 protein) [R.norvegicus], MAX dimerization protein, MAX interacting protein 1, Max interacting protein 1

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

**TABLE 3** Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

Seq ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence (Cluster Title)
					ESTs, Highly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], ESTs, Weakly similar to JC5837 364K Golgi complex-associated protein - rat [R.norvegicus], ESTs, Weakly similar to MYHA_MOUSE Myosin heavy chain, nonmuscle type B (Cellular myosin heavy chain, type B) (Nonmuscle myosin heavy chain-B) (NMMHC-B) [M.musculus], ESTs, Weakly similar to T42722 male-enhanced antigen-2 - mouse [M.musculus], RB1-inducible coiled-coil 1, RIKEN cDNA 2400004E04 gene, RIKEN cDNA 4930428L02 gene, RIKEN cDNA 5730504C04 gene, coiled-coil protein BICD2, expressed sequence AL022610, expressed sequence AU042952, golgi autoantigen, golgin subfamily b, macrogolin (with transmembrane signal), 1, hypothetical protein FLJ13031, myosin heavy chain IX, similar to rat myomegalin
3990	5656	NM_138885	CCC		ESTs, Highly similar to NHPX_RAT NHP2-like protein 1 (High mobility group-like nuclear protein 2 homolog 1) ([U4/U6.U5] tri-snRNP 15.5 kDa protein) (OTK27) [R.norvegicus], NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae), RIKEN cDNA 2410130M07 gene, nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs), sperm specific antigen 1
2730	19298	A1236338	UUU		ESTs, Highly similar to NPA1_MOUSE NEURONAL PAS DOMAIN PROTEIN 1 [M.musculus], ESTs, Moderately similar to NPA1_HUMAN NEURONAL PAS DOMAIN PROTEIN 1 [H.sapiens], ESTs, Weakly similar to NPA1_HUMAN NEURONAL PAS DOMAIN PROTEIN 1 [H.sapiens], basic-helix-loop-helix-PAS protein, neuronal PAS domain protein 1
1718	9795	A1071989	D, E		ESTs, Highly similar to NPM_HUMAN NUCLEOPHOSMIN [H.sapiens], ESTs, Weakly similar to NPM_HUMAN NUCLEOPHOSMIN [H.sapiens], nucleoplasmin 3
1313	3665	A1009376	A, B, HHH		ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I38937 DNA/RNA-binding protein [H.sapiens], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Pancreas zinc finger protein, see also D1Bda102, hypothetical protein, MGC:7160, zinc finger protein 260, zinc finger protein 63
2043	18671	A1170270	FF		

TABLE 3						Attorney Docket 44921-5038-01WO Document No. 1935928.1
Seq ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2290	18672	A1178189	H, General Alternate		ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I38937 DNA/RNA-binding protein [H.sapiens], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Pancreas zinc finger protein, see also D1Bda10V2, hypothetical protein, MGC:7160, zinc finger protein 260, zinc finger protein 63	
2735	14777	A1236565	V		ESTs, Highly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], ESTs, Moderately similar to I38937 DNA/RNA-binding protein [H.sapiens], ESTs, Weakly similar to OZF_HUMAN ZINC FINGER PROTEIN OZF [H.sapiens], Pancreas zinc finger protein, see also D1Bda10V2, hypothetical protein, MGC:7160, zinc finger protein 260, zinc finger protein 63	
3733	25529	NM_033096	WW		ESTs, Highly similar to P2CB_HUMAN PROTEIN PHOSPHATASE 2C BETA ISOFORM [H.sapiens], ESTs, Weakly similar to P2CB_HUMAN PROTEIN PHOSPHATASE 2C BETA ISOFORM [H.sapiens], Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform, protein phosphatase 1B, magnesium dependent, beta isoform	
3865	18025	NM_053989	ZZ, AAA		ESTs, Highly similar to PAB1_HUMAN POLYADENYLATE-BINDING PROTEIN 1 [H.sapiens], RIKEN cDNA 2810411E22 gene, RIKEN cDNA 4432411E13 gene, RIKEN cDNA 4930431E10 gene	
3600	12638	NM_031099	T		ESTs, Highly similar to PC4210 ribosomal protein L5 [H.sapiens], ribosomal protein L5	
3600	12639	NM_031099	H, S, II, FFF, General Alternate		ESTs, Highly similar to PC4210 ribosomal protein L5 [H.sapiens], ribosomal protein L5	

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935328.1
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
2773	14827	A1237404	QQ		ESTs, Highly similar to PKL2_RAT PROTEIN KINASE C-LIKE 2 (PROTEIN-KINASE C-RELATED KINASE 2) (PROTEASE-ACTIVATED KINASE 2) (PAK-2) [R.norvegicus], ESTs, Moderately similar to PKL2_RAT PROTEIN KINASE C-LIKE 2 (PROTEIN-KINASE C-RELATED KINASE 2) (PROTEASE-ACTIVATED KINASE 2) (PAK-2) [R.norvegicus], ESTs, Weakly similar to JC7083 protein kinase [H.sapiens], ESTs, Weakly similar to PC4220 protein kinase [M.musculus], protein kinase C-like 2, protein kinase PKNbeta		
4231	1141	X59601	UU, KKK		ESTs, Highly similar to PLE1_MOUSE PLECTIN 1 (PLTN) (PCN) [M.musculus], ESTs, Weakly similar to plectin [Rattus norvegicus] [R.norvegicus], KIAA1009 protein, Mus musculus, clone IMAGE:4188338, mRNA, partial cds, desmoplakin (DPI, DPII), expressed sequence AA407888, plectin 1, intermediate filament binding protein, 500kD		
866	22017	AA944209	III, JJJ		ESTs, Highly similar to PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE PIM-1 [M.musculus], PAS domain containing serine/threonine kinase		
1271	22018	A1008309	III, JJJ, KKK		ESTs, Highly similar to PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE PIM-1 [M.musculus], PAS domain containing serine/threonine kinase		
					ESTs, Highly similar to RASH_RAT TRANSFORMING PROTEIN P21/H-RAS-1 (C-H-RAS) [R.norvegicus], Harvey rat sarcoma oncogene, subgroup R, Harvey rat sarcoma virus oncogene, Mus musculus, Similar to v-Ha-ras Harvey rat sarcoma viral oncogene homolog, clone MGC:19390 IMAGE:3152667, mRNA, complete cds, related RAS viral (r-ras) oncogene homolog, v-Ha-ras Harvey rat sarcoma viral oncogene homolog		
2166	4445	A1175466	N		ESTs, Highly similar to RL26_HUMAN 60S RIBOSOMAL PROTEIN L26 [H.sapiens], ESTs, Highly similar to S33713 ribosomal protein L26, cytosolic [H.sapiens], ESTs, Moderately similar to RL26_HUMAN 60S RIBOSOMAL PROTEIN L26 [H.sapiens], ribosomal protein L26, ribosomal protein L26-like 1		
4200	18541	X14671	BB, CC, RR				

TABLE 3						
Seq ID	CLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
463	6079	AA891037	UUU		ESTs, Highly similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Highly similar to S34195 ribosomal protein L3, cytosolic [H.sapiens], ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 (L4) [R.norvegicus], ESTs, Weakly similar to RL3_MOUSE 60S RIBOSOMAL PROTEIN L3 [M.musculus], RIKEN cDNA 110057H16 gene, ribosomal protein L3, ribosomal protein L3-like	Atorney Docket 44921-5038-01WO Document No. 193628.1
1605	10533	A1058430	BBB		ESTs, Highly similar to S03700 nonhistone chromosomal protein HMG-17 [H.sapiens], ESTs, Weakly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus], high mobility group nucleosomal binding domain 2, high mobility group nucleosomal binding domain 3, high-mobility group (nonhistone chromosomal) protein 14, high-mobility group (nonhistone chromosomal) protein 17, thyroid hormone receptor interactor 7	
2373	17349	A1179987	AAA		ESTs, Highly similar to S03700 nonhistone chromosomal protein HMG-17 [H.sapiens], ESTs, Weakly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus], high mobility group nucleosomal binding domain 2, high mobility group nucleosomal binding domain 3, high-mobility group (nonhistone chromosomal) protein 14, high-mobility group (nonhistone chromosomal) protein 17, thyroid hormone receptor interactor 7	
2015	5716	A1169347	RR		ESTs, Highly similar to S12207 hypothetical protein [M.musculus], ESTs, Highly similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], ESTs, Moderately similar to S70642 ubiquitin ligase Nedd4 - rat (fragment) [R.norvegicus], RIKEN cDNA 1110046J11 gene, neural precursor cell expressed, developmentally down-regulated 4, neural precursor cell expressed, developmentally down-regulated gene 4a	
2122	2218	A1172011	RR		ESTs, Highly similar to S12207 hypothetical protein [M.musculus], ESTs, Moderately similar to T00363 hypothetical protein KIAA0674 [H.sapiens], KIAA0674 protein, RIKEN cDNA 1110046J11 gene	

TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	CLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
74	15011	AA799893	R, MM, TTT		ESTs, Highly similar to S12520 core protein A1 [H.sapiens], ESTs, Highly similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], ESTs, Moderately similar to heterogeneous ribonuclear particle protein A1 [H.sapiens], Mus musculus, Similar to TAR DNA binding protein, clone MGC:19284 IMAGE:4016437, mRNA, complete cds, RIKEN cDNA 2610510D13 gene, RIKEN cDNA 4930547K05 gene, heterogeneous nuclear ribonucleoprotein A1, heterogeneous nuclear ribonucleoprotein A3	
1698	11596	A1071194	BB		ESTs, Highly similar to S16506 hypothetical protein [H.sapiens], ESTs, Weakly similar to S16506 hypothetical protein [H.sapiens], Homo sapiens, similar to putative, clone MGC:22793 IMAGE:4773899, mRNA, complete cds, hypothetical protein FLJ12748	
2675	22609	A1234828	X, Y		ESTs, Highly similar to S25644 Ig mu chain C region - rat (fragment) [R.norvegicus], R.norvegicus mRNA for Ig rearranged mu-chain C region, exons 2-4, expressed sequence A1326478, expressed sequence A1893585, immunoglobulin heavy chain 6 (heavy chain of IgM), immunoglobulin heavy constant mu	
2456	11527	A1229307	ZZ		ESTs, Highly similar to S27958 transcription factor BTF2 62K chain [H.sapiens], general transcription factor IIH, polypeptide 1 (62kD subunit)	
2903	3815	H31907	FFF, GGG		ESTs, Highly similar to S57449 fusca protein homolog - rat [R.norvegicus], ESTs, Weakly similar to S57449 fusca protein homolog - rat [R.norvegicus], G protein pathway suppressor 1, Mus musculus, Similar to G protein pathway suppressor 1, clone MGC:7191 IMAGE:3481979, mRNA, complete cds, RIKEN cDNA 2400006A19 gene	
3858	6357	NM_053969	S		ESTs, Highly similar to S57449 fusca protein homolog - rat [R.norvegicus], ESTs, Weakly similar to S57449 fusca protein homolog - rat [R.norvegicus], G protein pathway suppressor 1, Mus musculus, Similar to G protein pathway suppressor 1, clone MGC:7191 IMAGE:3481979, mRNA, complete cds, RIKEN cDNA 2400006A19 gene	



TABLE 3						
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
1981	2917	AI145614	S, UUU			ESTs, Highly similar to S57449 fusca protein homolog - rat [R.norvegicus], G protein pathway suppressor 1, Homo sapiens cDNA FLJ30168 fis, clone BRACE2000750, Homo sapiens cDNA FLJ30648 fis, clone CTONG2006449, moderately similar to Drosophila melanogaster 26S proteasome regulatory complex subunit p42A mRNA, KIAA0107 gene product, Mus musculus, Similar to G protein pathway suppressor 1, clone MGC:7191 IMAGE:3481979, mRNA, complete cds, RIKEN cDNA 2400006A19 gene
4041	10544	NM_152935	C, H, JJ, KK, PP, QQ, ZZ, AAA, HHH, PPP, QQQ, General Core Tox Markers			ESTs, Highly similar to S68215 Mas 20 protein [H.sapiens], Homo sapiens cDNA FLJ30361 fis, clone BRACE2007764, RIKEN cDNA 1810060K07 gene, RIKEN cDNA 4930553D19 gene, translocase of outer mitochondrial membrane 20 (yeast) homolog
4041	10545	NM_152935	C, FFF, GGG, HHH, PPP, QQQ, General Core Tox Markers			ESTs, Highly similar to S68215 Mas 20 protein [H.sapiens], Homo sapiens cDNA FLJ30361 fis, clone BRACE2007764, RIKEN cDNA 1810060K07 gene, RIKEN cDNA 4930553D19 gene, translocase of outer mitochondrial membrane 20 (yeast) homolog
1174	3773	AA998356	A, B, E, CC, DD, EE, PP, QQ, III, JJ, KKK, NNN			ESTs, Highly similar to S68418 protein phosphatase 1M chain M110 isoform - rat [R.norvegicus], ESTs, Weakly similar to S37771 ankyrin, erythrocyte - mouse [M.musculus], ESTs, Weakly similar to S68418 protein phosphatase 1M chain M110 isoform - rat (fragment) [R.norvegicus], leukocyte receptor cluster (LRC) member 3, molecule possessing ankyrin repeats induced by lipopolysaccharide (MAIL), homolog of mouse, myosin phosphatase, target subunit 1, protein phosphatase 1, regulatory (inhibitor) subunit 12A

TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2148	23157	A1172489	Q, R		ESTs, Highly similar to STRN_RAT Striatin [R.norvegicus], Homo sapiens cDNA FLJ30750 fis, clone FEBRA2000404, RIKEN cDNA 1700123D08 gene, RIKEN cDNA 2510040D07 gene, RIKEN cDNA 4930434E21 gene, RIKEN cDNA 5430411C10 gene, platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit, striatin, calmodulin binding protein	
2210	13678	A1176490	WW		ESTs, Highly similar to T00665 hypothetical protein KIAA0442 [H.sapiens], Homo sapiens cDNA FLJ12396 fis, clone MAMMA1002758, KIAA1545 protein, hypothetical protein FLJ11618	
2322	11660	A1178944	HHH, General Alternate		ESTs, Highly similar to T03842 fission yeast Skb1 protein homolog [H.sapiens], Homo sapiens cDNA FLJ14831 fis, clone OVARC1001107, highly similar to Homo sapiens protein methyltransferase (JBP1) mRNA	
163	17771	AA818224	AA		ESTs, Highly similar to T08726 tubulin beta chain [H.sapiens], ESTs, Highly similar to TBB1_RAT TUBULIN BETA CHAIN (T BETA-15) [R.norvegicus], ESTs, Highly similar to TBB2_HUMAN TUBULIN BETA-2 CHAIN [H.sapiens], RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930447K03 gene, RIKEN cDNA 4930542G03 gene, expressed sequence A1451582, expressed sequence C79445, tubulin beta-5, tubulin, beta 3	
4186	1700	X03369	NN, UU		ESTs, Highly similar to T08726 tubulin beta chain [H.sapiens], ESTs, Highly similar to TBB1_RAT TUBULIN BETA CHAIN (T BETA-15) [R.norvegicus], ESTs, Highly similar to TBB2_HUMAN TUBULIN BETA-2 CHAIN [H.sapiens], RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930447K03 gene, RIKEN cDNA 4930542G03 gene, Rat mRNA for beta-tubulin T beta15, expressed sequence A1451582, expressed sequence C79445, tubulin beta-5, tubulin, beta 2, tubulin, beta 3, tubulin, beta polypeptide	
39	18361	AA799591	U, V, GG		ESTs, Highly similar to T08726 tubulin beta chain [H.sapiens], ESTs, Highly similar to TBB1_RAT TUBULIN BETA CHAIN (T BETA-15) [R.norvegicus], ESTs, Highly similar to TBB2_HUMAN TUBULIN BETA-2 CHAIN [H.sapiens], RIKEN cDNA 2410129E14 gene, RIKEN cDNA 4930447K03 gene, RIKEN cDNA 4930542G03 gene, Rat mRNA for beta-tubulin T beta15, expressed sequence A1451582, expressed sequence C79445, tubulin beta-5, tubulin, beta 3, tubulin, beta 2	

TABLE 3							Attorney Docket 44921-5038-01W/O Document No. 1935828.1	
Seq ID	GLGC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
2473	16093	A1229849	T		ESTs, Highly similar to T13152 WDR1 protein [H.sapiens], ESTs, Moderately similar to T13152 WDR1 protein [H.sapiens], WD repeat domain 1			
2363	14586	A1179865	LLL		ESTs, Highly similar to T17270 hypothetical protein DKFZp434N241.1 [H.sapiens], KIAA1007 protein			
2288	16739	A1178151	C, HH		ESTs, Highly similar to T46366 hypothetical protein DKFZp434C0118.1 [H.sapiens], F-box only protein 9, Homo sapiens cDNA FLJ32209 fis, clone PLACE6003372			
263	19412	AA849222	CC, PP, UU, III, KKK, NNN		ESTs, Highly similar to T46904 hypothetical protein DKFZp761D081.1 [H.sapiens], Homo sapiens cDNA: FLJ21587 fis, clone COL06946, likely ortholog of mouse Arkadia			
648	19410	AA893667	PP, UU, III, KKK		ESTs, Highly similar to T46904 hypothetical protein DKFZp761D081.1 [H.sapiens], Homo sapiens cDNA: FLJ21587 fis, clone COL06946, likely ortholog of mouse Arkadia			
648	19411	AA893667	E, BB, NN, PP, QQ, EEE, III, JJJ, KKK, MMM, NNN		ESTs, Highly similar to T46904 hypothetical protein DKFZp761D081.1 [H.sapiens], Homo sapiens cDNA: FLJ21587 fis, clone COL06946, likely ortholog of mouse Arkadia			
1320	3828	A1009601	V		ESTs, Highly similar to T4S4_HUMAN TRANSMEMBRANE 4 SUPERFAMILY, MEMBER 4 [H.sapiens], Mus musculus, clone MGC:19127 IMAGE:4211816, mRNA, complete cds, transmembrane 4 superfamily member 1, transmembrane 4 superfamily member 4, transmembrane 4 superfamily member 5			
617	3865	AA893065	ZZ, AAA		ESTs, Highly similar to THDE_RAT Thyrotropin-releasing hormone degrading ectoenzyme (TRH-degrading ectoenzyme) (TRH-DE) (TRH-specific aminopeptidase) (Thyroliberinase) (Pyroglutamyl-peptidase II) (PAP-II) [R.norvegicus], ESTs, Weakly similar to AMPE MOUSE GLUTAMYL AMINOPEPTIDASE [M.musculus], ESTs, Weakly similar to PUROMYCIN-SENSITIVE AMINOPEPTIDASE [M.musculus], aminopeptidase puromycin sensitive, puromycin-sensitive aminopeptidase			
4082	14121	S82383	O, P, VV		ESTs, Highly similar to TPMN_HUMAN TROPOMYOSIN, CYTOSKELETAL TYPE [H.sapiens], ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus]			

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935823.1						
Seq ID	CLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1447	22709	AI013404	B		ESTs, Highly similar to TVHUR1 transforming protein rap1b [H.sapiens], ESTs, Weakly similar to GTP-binding protein ROC2 [M.musculus], Mus musculus, Similar to RAS-like, estrogen-regulated, growth-inhibitor, clone MGC:31467 IMAGE:4483442, mRNA, complete cds, RAP1B, member of RAS oncogene family, RAP2B, member of RAS oncogene family, RAS-like, estrogen-regulated, growth-inhibitor	
3961	16456	NM_134346	P		ESTs, Highly similar to TVHUR1 transforming protein rap1b [H.sapiens], ESTs, Weakly similar to GTP-binding protein ROC2 [M.musculus], Mus musculus, Similar to RAS-like, estrogen-regulated, growth-inhibitor, clone MGC:31467 IMAGE:4483442, mRNA, complete cds, RAP1B, member of RAS oncogene family, RAP2B, member of RAS oncogene family, RAS-like, estrogen-regulated, growth-inhibitor	
3961	16457	NM_134346	A, B, O, P, VV		ESTs, Highly similar to TVHUR1 transforming protein rap1b [H.sapiens], ESTs, Weakly similar to GTP-binding protein ROC2 [M.musculus], Mus musculus, Similar to RAS-like, estrogen-regulated, growth-inhibitor, clone MGC:31467 IMAGE:4483442, mRNA, complete cds, RAP1B, member of RAS oncogene family, RAP2B, member of RAS oncogene family, RAS-like, estrogen-regulated, growth-inhibitor	
3615	15052	NM_031136	BBB, CCC		ESTs, Highly similar to TYB4 MOUSE THYMOSIN BETA-4 [M.musculus], ESTs, Moderately similar to PC4259 ferritin associated protein [H.sapiens], Homo sapiens cDNA FLJ31414 fs, clone NT2NE2000260, weakly similar to THYMOSIN BETA-4, thymosin, beta 4, X chromosome	
2246	2359	AI177029	DD		ESTs, Highly similar to TYROSINE-PROTEIN KINASE ITK/TSK [M.musculus], ESTs, Moderately similar to ITK MOUSE TYROSINE-PROTEIN KINASE ITK/TSK [M.musculus], IL2-inducible T-cell kinase, Mus musculus 0 day neonate thymus cDNA, RIKEN full-length enriched library, clone:A430106A18:IL2-inducible T-cell kinase, full insert sequence, tec protein tyrosine kinase	

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935823.1
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
1021	23463	AA956794	Q, R		ESTs, Highly similar to UB3_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 3 [H.sapiens], ESTs, Weakly similar to l58376 hypothetical protein unip - mouse [M.musculus], ESTs, Weakly similar to UB3_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 3 [H.sapiens], Homo sapiens, clone MGC:20741 IMAGE:4579283, mRNA, complete cds, Mus musculus, clone IMAGE:3711168, mRNA, partial cds, RIKEN cDNA 4930550B20 gene, ubiquitin specific protease 3		
3976	13563	NM_138530	O, P, GG, HH, EEE, GGG, MMM		ESTs, Highly similar to ULA4_HUMAN MAWD binding protein (Unknown protein 32 from 2D-page of liver tissue) [H.sapiens], MAWD binding protein		
1988	11363	AI145997	S, LL		ESTs, Highly similar to UV EXCISION REPAIR PROTEIN PROTEIN RAD23 HOMOLOG B [M.musculus], RAD23 homolog B (S. cerevisiae), RAD23b homolog (S. cerevisiae)		
1731	8856	AI072402	FF		ESTs, Highly similar to Z208_HUMAN ZINC FINGER PROTEIN 208 [H.sapiens], ESTs, Moderately similar to Z208_HUMAN ZINC FINGER PROTEIN 208 [H.sapiens], ESTs, Moderately similar to zinc finger protein 30 [M.musculus], ESTs, Weakly similar to zinc finger protein 30 [M.musculus], Homo sapiens cDNA FLJ20562 fis, clone KAT11992, KRAB zinc finger protein KR18, zinc finger protein 208		
3826	14016	NM_053770	A		ESTs, Moderately similar to Arg/Abl-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to Arg/Abl-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 2010203O03 gene, SH3-domain protein 5 (ponsin), sorbin and SH3 domain containing 1		
3826	14017	NM_053770	A		ESTs, Moderately similar to Arg/Abl-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to Arg/Abl-interacting protein ArgBP2 [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 2010203O03 gene, SH3-domain protein 5 (ponsin), sorbin and SH3 domain containing 1		
3589	17727	NM_031043	O, P, VV		ESTs, Moderately similar to glycogenin 2 [Homo sapiens] [H.sapiens], glycogenin, glycogenin 1, glycogenin 2		

TABLE 3						
Seq ID	CLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3054	1410	M96548	WW		ESTs, Moderately similar to hypothetical protein MGC2663 [Homo sapiens] [H.sapiens], ESTs, Moderately similar to S47073 finger protein HZF2, Krueppel-related [H.sapiens], ESTs, Weakly similar to TC17 MOUSE TRANSCRIPTION FACTOR 17 [M.musculus], ESTs, Weakly similar to TC17_RAT Zinc finger protein 354A (Transcription factor 17) (Renal transcription factor Kid-1) (Kidney, ischemia, and developmentally regulated protein-1) [R.norvegicus], expressed sequence A1875089, hypermethylated in cancer 2, zinc finger protein 354A, zinc finger protein 354B	Attorney Docket 44921-5038-01WO Document No. 1935823.1
1917	9575	A1112250	SS		ESTs, Moderately similar to protein tyrosine phosphatase type IVA, member 2, isoform 1; protein tyrosine phosphatase IVA; protein tyrosine phosphatase IVA2; phosphatase of regenerating liver 2 [Homo sapiens] [H.sapiens], protein tyrosine phosphatase 4a2, protein tyrosine phosphatase type IVA, member 2	
3772	9573	NM_053475	ZZ, AAA		ESTs, Moderately similar to protein tyrosine phosphatase type IVA, member 2, isoform 1; protein tyrosine phosphatase IVA; protein tyrosine phosphatase IVA2; phosphatase of regenerating liver 2 [Homo sapiens] [H.sapiens], protein tyrosine phosphatase 4a2, protein tyrosine phosphatase type IVA, member 2	
3766	14670	NM_053439	UUU		ESTs, Moderately similar to RAN, member RAS oncogene family [Rattus norvegicus] [R.norvegicus], F-box and WD-40 domain protein 7, archipelago homolog (Drosophila), RAN, member RAS oncogene family, RAS-like, family 2, locus 9, RIKEN cDNA 1700009N14 gene	
3486	9541	NM_022542	W, II, QQ		ESTs, Moderately similar to rhoB gene [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to rhoB gene [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:29297 IMAGE:5003249, mRNA, complete cds, RIKEN cDNA 5830400A04 gene, ras homolog B (RhoB), ras homolog gene family, member B	
3720	18899	NM_031985	LL, TT		ESTs, Moderately similar to ribosomal protein S6 kinase, 70kD, polypeptide 2; S6 kinase 2 [Mus musculus] [M.musculus], RIKEN cDNA 261031815 gene, ribosomal protein S6 kinase, 70kD, polypeptide 1, ribosomal protein S6 kinase, 70kD, polypeptide 2	

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935328.1						
Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1285	16701	AI008838	U, FF, TT, UU, DDD, SSS, UUU, General Core Tox Markers		ESTs, Moderately similar to RIKEN cDNA 1300002A08 [Mus musculus] [M.musculus], RIKEN cDNA 1300002A08 gene, methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase, protease, serine, 15	
2338	16703	AI179300	K, U, FF, LL, TT, UU, HHH, LLL, SSS, UUU, General Core Tox Markers		ESTs, Moderately similar to RIKEN cDNA 1300002A08 [Mus musculus] [M.musculus], RIKEN cDNA 1300002A08 gene, methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase, protease, serine, 15	
662	7637	AA894089	XX, YY, ZZ, AAA		ESTs, Moderately similar to 2118320A neurodegeneration-associated protein 1 [Rattus norvegicus] [R.norvegicus], KIAA0438 gene product, Mus musculus, clone IMAGE:3499845, mRNA, partial cds, g1-related zinc finger protein, goliath protein, hypothetical protein FLJ20552, hypothetical protein LOC51255, praja 1, praja1, RING-H2 motif containing, similar to RIKEN cDNA 1300002C13, zinc finger protein 364	
3992	7635	NM_138896	K, M, ZZ, AAA		ESTs, Moderately similar to 2118320A neurodegeneration-associated protein 1 [Rattus norvegicus] [R.norvegicus], KIAA0438 gene product, Mus musculus, clone IMAGE:3499845, mRNA, partial cds, g1-related zinc finger protein, goliath protein, hypothetical protein FLJ20552, hypothetical protein LOC51255, praja 1, praja1, RING-H2 motif containing, similar to RIKEN cDNA 1300002C13, zinc finger protein 364	
3992	7636	NM_138896	ZZ, AAA		ESTs, Moderately similar to 2118320A neurodegeneration-associated protein 1 [Rattus norvegicus] [R.norvegicus], KIAA0438 gene product, Mus musculus, clone IMAGE:3499845, mRNA, partial cds, g1-related zinc finger protein, goliath protein, hypothetical protein FLJ20552, hypothetical protein LOC51255, praja 1, praja1, RING-H2 motif containing, similar to RIKEN cDNA 1300002C13, zinc finger protein 364	
3297	20702	NM_017166	ZZ, AAA		ESTs, Moderately similar to A40936 stathmin [H.sapiens], expressed sequence A1131641, leukemia-associated gene, stathmin 1/oncoprotein 18	



TABLE 3

Human Homologous Sequence Cluster Title				
Seq ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name
1236	16762	AF059530	UU	ESTs, Moderately similar to ANM1_MOUSE PROTEIN ARGININE N-METHYLTRANSFERASE 1 [M.musculus], ESTs, Weakly similar to ANM1_MOUSE PROTEIN ARGININE N-METHYLTRANSFERASE 1 [M.musculus], HMT1 hnRNP methyltransferase-like 1 (S. cerevisiae), Mus musculus, Similar to protein arginine N-methyltransferase 6, clone MGC:30554 IMAGE:5067159, mRNA, complete cds, RIKEN cDNA 2410018A17 gene, heterogeneous nuclear ribonucleoprotein methyltransferase-like 1 (S. cerevisiae), heterogeneous nuclear ribonucleoproteins methyltransferase-like 2 (S. cerevisiae), heterogeneous nuclear ribonucleoproteins methyltransferase-like 2 (S. cerevisiae), related sequence, hypothetical protein FLJ10640, protein arginine N-methyltransferase 3(hnRNP methyltransferase S. cerevisiae)-like 3
3941	17634	NM_133418	PP, QQ	ESTs, Moderately similar to BMCP_HUMAN BRAIN MITOCHONDRIAL CARRIER PROTEIN-1 [H.sapiens], ESTs, Weakly similar to M2OM_HUMAN MITOCHONDRIAL 2-OXOGLUTARATE/MALATE CARRIER PROTEIN [H.sapiens], solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11
3941	17635	NM_133418	GG	ESTs, Moderately similar to BMCP_HUMAN BRAIN MITOCHONDRIAL CARRIER PROTEIN-1 [H.sapiens], ESTs, Weakly similar to M2OM_HUMAN MITOCHONDRIAL 2-OXOGLUTARATE/MALATE CARRIER PROTEIN [H.sapiens], solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11
1237	18675	AF061947	A, B, DD, EE	ESTs, Moderately similar to CABI RAT CALCINEURIN-BINDING PROTEIN CABIN 1 [R.norvegicus], calcineurin binding protein 1
598	7148	AA892842	L	ESTs, Moderately similar to CAZ3_MOUSE F-ACTIN CAPPING PROTEIN ALPHA-3 SUBUNIT (CAPZ ALPHA-3) (GERM CELL-SPECIFIC PROTEIN 3) [M.musculus], capping protein (actin filament) muscle Z-line, alpha 2, capping protein alpha 2, capping protein alpha 3

Attorney Docket 44924-5038-01WO  
Document No. 1935828.1

TABLE 3						
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
1631	10169	AI059204	KKK		ESTs, Moderately similar to CNE6_MOUSE COPINE VI (NEURONAL-COPINE) (N-COPINE) [M.musculus], ESTs, Weakly similar to CNE3_HUMAN COPINE III [H.sapiens], RIKEN cDNA 3632411M23 gene, copine 6, copine II, copine III, expressed sequence AU067659, expressed sequence AW047065	ESTs, Moderately similar to CNE6_MOUSE COPINE VI (NEURONAL-COPINE) (N-COPINE) [M.musculus], ESTs, Weakly similar to CNE3_HUMAN COPINE III [H.sapiens], RIKEN cDNA 3632411M23 gene, copine 6, copine II, copine III, expressed sequence AU067659, expressed sequence AW047065
2780	18854	AI237636	OOO		ESTs, Moderately similar to CNE6_MOUSE COPINE VI (NEURONAL-COPINE) (N-COPINE) [M.musculus], ESTs, Weakly similar to CNE3_HUMAN COPINE III [H.sapiens], RIKEN cDNA 3632411M23 gene, copine 6, copine II, copine III, expressed sequence AU067659, expressed sequence AW047065	ESTs, Moderately similar to CNE6_MOUSE COPINE VI (NEURONAL-COPINE) (N-COPINE) [M.musculus], ESTs, Weakly similar to CNE3_HUMAN COPINE III [H.sapiens], RIKEN cDNA 3632411M23 gene, copine 6, copine II, copine III, expressed sequence AU067659, expressed sequence AW047065
2561	19274	AI232135	DDD, General Alternate		ESTs, Moderately similar to COG2_MOUSE Coatmer gamma-2 subunit (Gamma-2 coat protein) (Gamma-2 COP) [M.musculus], Mus musculus 0 day neonate skin cDNA, RIKEN full-length enriched library, clone:4632427M03:coatmer protein complex, subunit gamma 1, full insert sequence, coatmer protein complex, subunit gamma 2	ESTs, Moderately similar to COG2_MOUSE Coatmer gamma-2 subunit (Gamma-2 coat protein) (Gamma-2 COP) [M.musculus], Mus musculus 0 day neonate skin cDNA, RIKEN full-length enriched library, clone:4632427M03:coatmer protein complex, subunit gamma 1, full insert sequence, coatmer protein complex, subunit gamma 2
4127	18038	U39943	CC, NN, OO, BBB, CCC, General Alternate		ESTs, Moderately similar to CPJ3_RAT CYTOCHROME P450 2J3 (CYPII3) [R.norvegicus], ESTs, Weakly similar to CPJ6_MOUSE CYTOCHROME P450 2J6 [M.musculus], Homo sapiens cDNA FLJ14042 fis, clone HEMBA1006038, weakly similar to LAMININ ALPHA-5 CHAIN, Mus musculus, Similar to CYP2J4, clone MGC:25927 IMAGE:4235131, mRNA, complete cds, RIKEN cDNA 8430436A10 gene, cytochrome P450, 2j6, cytochrome P450, 2j9, expressed sequence AI314783	ESTs, Moderately similar to CPJ3_RAT CYTOCHROME P450 2J3 (CYPII3) [R.norvegicus], ESTs, Weakly similar to CPJ6_MOUSE CYTOCHROME P450 2J6 [M.musculus], Homo sapiens cDNA FLJ14042 fis, clone HEMBA1006038, weakly similar to LAMININ ALPHA-5 CHAIN, Mus musculus, Similar to CYP2J4, clone MGC:25927 IMAGE:4235131, mRNA, complete cds, RIKEN cDNA 8430436A10 gene, cytochrome P450, 2j6, cytochrome P450, 2j9, expressed sequence AI314783
4128	18036	U40004	G, H, OO, General Alternate		ESTs, Moderately similar to CPJ3_RAT CYTOCHROME P450 2J3 (CYPII3) [R.norvegicus], ESTs, Weakly similar to CPJ6_MOUSE CYTOCHROME P450 2J6 [M.musculus], Homo sapiens cDNA FLJ14042 fis, clone HEMBA1006038, weakly similar to LAMININ ALPHA-5 CHAIN, Mus musculus, Similar to CYP2J4, clone MGC:25927 IMAGE:4235131, mRNA, complete cds, RIKEN cDNA 8430436A10 gene, cytochrome P450, 2j6, cytochrome P450, 2j9, expressed sequence AI314783	ESTs, Moderately similar to CPJ3_RAT CYTOCHROME P450 2J3 (CYPII3) [R.norvegicus], ESTs, Weakly similar to CPJ6_MOUSE CYTOCHROME P450 2J6 [M.musculus], Homo sapiens cDNA FLJ14042 fis, clone HEMBA1006038, weakly similar to LAMININ ALPHA-5 CHAIN, Mus musculus, Similar to CYP2J4, clone MGC:25927 IMAGE:4235131, mRNA, complete cds, RIKEN cDNA 8430436A10 gene, cytochrome P450, 2j6, cytochrome P450, 2j9, expressed sequence AI314783

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3

Attorney Docket 44921-5038-01WO Document No. 1935828-1						
Seq. ID	GLCG ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3202	17401	NM_013043	B, L, X, Y, HH, GGG, LLL, OOO, SSS, UUU, General Core Tox Markers		ESTs, Moderately similar to DIP_HUMAN DIP PROTEIN [H.sapiens], KIAA0669 gene product, RIKEN cDNA 061009M14 gene, RIKEN cDNA 1810043J12 gene, TSC-22-like, transforming growth factor beta 1 induced transcript 4, transforming growth factor beta-stimulated protein TSC-22	
4120	154	U32681	NN, PP, EEE, MMM		ESTs, Moderately similar to DMBT1 protein, 5.8 kb transcript [H.sapiens], ESTs, Weakly similar to crp-ductin [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NETR MOUSE NEUROTRYP SIN PRECURSOR [M.musculus], ESTs, Weakly similar to T42721 CRP-ductin-alpha precursor - mouse [M.musculus], RIKEN cDNA 5430419D17 gene, crp-ductin, deleted in malignant brain tumors 1, lectin, galactoside-binding, soluble, 3 binding protein, peptidylprolyl isomerase C-associated protein	
4120	155	U32681	BB, CC, NN, PP, QQ, EEE, MMM		ESTs, Moderately similar to DMBT1 protein, 5.8 kb transcript [H.sapiens], ESTs, Weakly similar to crp-ductin [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to NETR MOUSE NEUROTRYP SIN PRECURSOR [M.musculus], ESTs, Weakly similar to T42721 CRP-ductin-alpha precursor - mouse [M.musculus], RIKEN cDNA 5430419D17 gene, crp-ductin, deleted in malignant brain tumors 1, lectin, galactoside-binding, soluble, 3 binding protein, peptidylprolyl isomerase C-associated protein	
1603	18172	AI058364	EE, WW		ESTs, Moderately similar to G02313 CDC37 homolog [H.sapiens], Hsp90-associating relative of Cdc37	
1881	24323	AI104798	DDD, LLL		ESTs, Moderately similar to GTM1_RAT Glutathione S-transferase YB1 (Chain 3) (GST M1-1) (GST class-Mu 1) [R.norvegicus], Glutathione-S-transferase, mu type 2 (Yb2), glutathione S-transferase M4, glutathione S-transferase, mu 1	

TABLE 3

Seq ID		CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
						ESTs, Moderately similar to HB2D_RAT RT1 CLASS II HISTOCOMPATIBILITY ANTIGEN, D-1 BETA CHAIN PRECURSOR [R.norvegicus], ESTs, Weakly similar to HB2D_RAT RT1 CLASS II HISTOCOMPATIBILITY ANTIGEN, D-1 BETA CHAIN PRECURSOR [R.norvegicus], Rattus norvegicus Class II MHC RT1.D(a) beta chain precursor (RT1.D(a)) mRNA, complete cds, Rattus norvegicus Class II MHC RT1.D(n) beta chain precursor (RT1.D(n)) mRNA, complete cds, histocompatibility 2, class II antigen E beta, major histocompatibility complex, class II, DR beta 1, major histocompatibility complex, class II, DR beta 5
1901	16718	AI111537	XX, YY			ESTs, Moderately similar to [38937 DNA/RNA-binding protein [H.sapiens]
1715	17673	AI071895	RR			ESTs, Moderately similar to I57546 Rabin3 - rat [R.norvegicus], Grab protein, Mus musculus, clone MGC:28059 IMAGE:3708973, mRNA, complete cds, RAB3A interacting protein (rabin3)-like 1, hypothetical protein FLJ22548 similar to gene trap PAT 12
3337	16182	NM_017313	JJ, KK			ESTs, Moderately similar to INS2 MOUSE INSULIN 2 PRECURSOR [M.musculus], expressed sequence AA986540, insulin, insulin I, insulin II
3350	24392	NM_019129	D, Z, AA			ESTs, Moderately similar to JC1235 transcription factor BTF3a [H.sapiens], Homo sapiens cDNA FLJ14844 fis, clone PLACE1000133, highly similar to TRANSCRIPTION FACTOR BTF3, Mus musculus, basic transcription factor 3, clone MGC:6799 IMAGE:2648048, mRNA, complete cds, RIKEN cDNA 1700054E11 gene, RIKEN cDNA 5730434I03 gene, basic transcription factor 3
597	17581	AA892835	DDD			ESTs, Moderately similar to JC7136 peptidylprolyl isomerase (EC 5.2.1.8) - mouse [M.musculus], protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1, protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin)
86	21064	AA800175	II, ZZ, AAA			ESTs, Moderately similar to JC7220 nuclear protein SR-25 [H.sapiens], HSV1 binding protein, SRp25 nuclear protein, expressed sequence AA408210, expressed sequence AA408365
554	18209	AA892318	WW			

Attorney Docket 44924-5038-01WO  
Document No. 1935828.1

TABLE 3					Attorney Docket 44921-5038-01WO Document No. 193538.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1414	7120	A1012393	T		ESTs, Moderately similar to JE0343 terf protein - rat [R.norvegicus], ESTs, Weakly similar to BUTY MOUSE BUTYROPHILIN PRECURSOR [M.musculus], ESTs, Weakly similar to JE0343 terf protein - rat [R.norvegicus], butyrophilin, subfamily 1, member A1, expressed sequence AA414909, expressed sequence AW538890, ret finger protein, tripartite motif protein 17, tripartite motif-containing 17	
838	24262	AA943116	X, Y, UUU		ESTs, Moderately similar to KTHY MOUSE THYMIDYLATE KINASE [M.musculus], Homo sapiens cDNA FLJ12070 fis, clone HEMBB1002358, thymidylate kinase	
					ESTs, Moderately similar to NEUROFILAMENT TRIPLET M PROTEIN [M.musculus], ESTs, Weakly similar to NFM_RAT Neurofilament triplet M protein (160 kDa neurofilament protein) (Neurofilament medium polypeptide) (NF-M) [R.norvegicus], ESTs, Weakly similar to T00365 hypothetical protein KIAA0670 [H.sapiens], ESTs, Weakly similar to TRHY_HUMAN TRICHOHYALI [H.sapiens], KIAA0888 protein, Mus musculus, Similar to sodium/calcium/potassium exchanger, clone MGC:27617 IMAGE:4504496, mRNA, complete cds, neurofilament, medium polypeptide	
367	6443	AA859150	OOO		ESTs, Moderately similar to NICA_HUMAN NICASTRIN PRECURSOR [H.sapiens], nicastrin	
376	4267	AA859412	V		ESTs, Moderately similar to NUCLEOLIN [M.musculus], ESTs, Weakly similar to A35804 nucleolin [H.sapiens], ESTs, Weakly similar to NUCL_HUMAN NUCLEOLIN [H.sapiens], ESTs, Weakly similar to NUCL_RAT Nucleolin (Protein C23) [R.norvegicus], RIKEN cDNA 120009A02 gene, eukaryotic translation initiation factor 3, subunit 4 (delta, 44 kDa), nucleolin, pigpen	
3134	8829	NM_012749	FFF, General Core Tox Markers		ESTs, Moderately similar to P4H1_RAT Prolyl 4-hydroxylase alpha-1 subunit precursor (4-PH alpha-1) (Procollagen-proline,2-oxoglutarate-4-dioxygenase alpha-1 subunit) [R.norvegicus], Homo sapiens, clone IMAGE:3162218, mRNA, partial cds, RIKEN cDNA 4933406E20 gene, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	
4265	23302	X78949	Q, R, Z, AA, RR			

**TABLE 3** **Attorney Docket 44924-5038-01WO** **Document No. 1935828.1**

Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2096	15684	A1171535	KK, FFF, HHH, General Core Tox Markers, General Alternate		ESTs, Moderately similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], ESTs, Weakly similar to PAB1 MOUSE POLYADENYLATE-BINDING PROTEIN 1 [M.musculus], RIKEN cDNA 4932702K14 gene, poly A binding protein, cytoplasmic 1, poly(A) binding protein, cytoplasmic 4 (inducible form)
3903	18004	NM_080688	EE, NNN		ESTs, Moderately similar to phospholipase C-delta4 [R.norvegicus], Homo sapiens cDNA FLJ13021 fis, clone NT2RP3000742, weakly similar to 1- PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (EC 3.1.4.11), hypothetical protein MGC12837, phospholipase C, delta, phospholipase C, delta 4
3890	17477	NM_057194	W		ESTs, Moderately similar to PLS1_RAT Phospholipid scramblase 1 (PL scramblase 1) (Ca2+ dependent phospholipid scramblase 1) [R.norvegicus], ESTs, Weakly similar to PLS1_RAT Phospholipid scramblase 1 (PL scramblase 1) (Ca2+ dependent phospholipid scramblase 1) [R.norvegicus], phospholipid scramblase 1, phospholipid scramblase 2
2869	1884	D50695	G, H, X, Y, General Alternate		ESTs, Moderately similar to PRS6_HUMAN 26S PROTEASE REGULATORY SUBUNIT 6B [H.sapiens], proteasome (prosome, macropain) 26S subunit, ATPase, 4
3781	18401	NM_053532	K, X, Y, UUU		ESTs, Moderately similar to PSB7_MOUSE Proteasome subunit beta type 7 precursor (Proteasome subunit Z) (Macropain chain Z) (Multicatalytic endopeptidase complex chain Z) [M.musculus], ESTs, Weakly similar to proteasome (prosome, macropain) subunit, beta type, 7 [Rattus norvegicus] [R.norvegicus], expressed sequence AU020723, proteasome (prosome, macropain) subunit, beta type 10, proteasome (prosome, macropain) subunit, beta type 7, proteasome (prosome, macropain) subunit, beta type, 10, proteasome (prosome, macropain) subunit, beta type, 7

TABLE 3						
Seq ID	CLC ID No.	GenBank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935328-1
3584	6911	NM_031027	H, II, W, EEE, FFF, LLL, MMM, UUU, General Alternate		ESTs, Moderately similar to PYRD_MOUSE Dihydroorotate dehydrogenase, mitochondrial precursor (Dihydroorotate oxidase) (DHOdehase) [M.musculus], RIKEN cDNA 2810417D19 gene, dihydroorotate dehydrogenase, dihydropyrimidine dehydrogenase	
3584	6912	NM_031027	X, Y, II, W, XX, YY		ESTs, Moderately similar to PYRD_MOUSE Dihydroorotate dehydrogenase, mitochondrial precursor (Dihydroorotate oxidase) (DHOdehase) [M.musculus], RIKEN cDNA 2810417D19 gene, dihydroorotate dehydrogenase, dihydropyrimidine dehydrogenase	
2387	1455	AI180373	W		ESTs, Moderately similar to S12207 hypothetical protein [M.musculus], ESTs, Weakly similar to mitogen activated protein kinase kinase 1 [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase kinase 1, mitogen activated protein kinase kinase 2, mitogen activated protein kinase kinase 3, mitogen-activated protein kinase kinase kinase 1, mitogen-activated protein kinase kinase kinase 3	
3847	1453	NM_053887	II		ESTs, Moderately similar to S12207 hypothetical protein [M.musculus], ESTs, Weakly similar to mitogen activated protein kinase kinase 1 [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase kinase 1, mitogen activated protein kinase kinase 2, mitogen activated protein kinase kinase 3, mitogen-activated protein kinase kinase kinase 1, mitogen-activated protein kinase kinase kinase 3	
513	3902	AA891901	JJ, KK		ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 2810036L13 gene, heterogeneous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2	



TABLE 3						
Seq ID	CLCG ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
1837	3905	AI103403	JJ, KK		ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 2810036L13 gene, heterogeneous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2	ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 2810036L13 gene, heterogeneous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2
3476	3900	NM_022516	VV		ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 2810036L13 gene, heterogeneous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2	ESTs, Moderately similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], ESTs, Weakly similar to S15552 polypyrimidine tract-binding protein 1 - rat [R.norvegicus], Mus musculus, Similar to regulator of differentiation (in S. pombe) 1, clone MGC:11742 IMAGE:3969488, mRNA, complete cds, RIKEN cDNA 2810036L13 gene, heterogeneous nuclear ribonucleoprotein L, polypyrimidine tract binding protein 1, polypyrimidine tract binding protein 2
1545	7961	AI044042	WW		ESTs, Moderately similar to S47073 finger protein HZF2, Krueppel-related [H.sapiens], zinc finger protein 191, zinc finger protein 354A, zinc finger protein 354B	ESTs, Moderately similar to S47073 finger protein HZF2, Krueppel-related [H.sapiens], zinc finger protein 191, zinc finger protein 354A, zinc finger protein 354B
848	21911	AA943610	JJ, KK		ESTs, Moderately similar to T08795 hypothetical protein DKFZp586J1822.1 [H.sapiens]	ESTs, Moderately similar to T08795 hypothetical protein DKFZp586J1822.1 [H.sapiens]
287	14507	AA850618	RRR		ESTs, Moderately similar to T09123 hybrid receptor SorLA precursor - mouse [M.musculus], sortilin-related receptor, L (DLR class) A repeats-containing	ESTs, Moderately similar to T09123 hybrid receptor SorLA precursor - mouse [M.musculus], sortilin-related receptor, L (DLR class) A repeats-containing
2514	13933	AI230991	I, J		ESTs, Moderately similar to T46347 hypothetical protein DKFZp434K0614.1 [H.sapiens], Homo sapiens cDNA FLJ11663 fis, clone HEMBA1004631, homolog of mouse BMP-2 inducible kinase	ESTs, Moderately similar to T46347 hypothetical protein DKFZp434K0614.1 [H.sapiens], Homo sapiens cDNA FLJ11663 fis, clone HEMBA1004631, homolog of mouse BMP-2 inducible kinase
3942	10660	NM_133423	WW		ESTs, Moderately similar to T46637 transcription factor 1, neural - rat [R.norvegicus], Homo sapiens mRNA; cDNA DKFZp434E0922 (from clone DKFZp434E0922), Mus musculus 10, 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2810003118:myelin transcription factor 1-like, full insert sequence, myelin transcription factor 1-like	ESTs, Moderately similar to T46637 transcription factor 1, neural - rat [R.norvegicus], Homo sapiens mRNA; cDNA DKFZp434E0922 (from clone DKFZp434E0922), Mus musculus 10, 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2810003118:myelin transcription factor 1-like, full insert sequence, myelin transcription factor 1-like
1379	7060	AI011547	ZZ, AAA		ESTs, Moderately similar to T47183 hypothetical protein DKFZp434K1822.1 [H.sapiens], ubiquitin specific protease 22	ESTs, Moderately similar to T47183 hypothetical protein DKFZp434K1822.1 [H.sapiens], ubiquitin specific protease 22

Attorney Docket 44921-5033-01W0  
Document No. 1935323.1

TABLE 3

Attorney Docket 44921-5038-01WO  
PCT/US03/03194, Document No. 1935928.1

Seq ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3980	16922	NM_138549	S, Z, AA, General Alternate		ESTs, Moderately similar to T50638 synaptic glycoprotein SC2 [H.sapiens], ESTs, Weakly similar to T50638 synaptic glycoprotein SC2 [H.sapiens], expressed sequence AI173355, glycoprotein, synaptic 2, steroid 5 alpha-reductase 2, steroid 5 alpha-reductase 2-like, steroid 5-alpha-reductase 2, steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)
3980	25479	NM_138549	A, B, S, Z, AA, FF, General Alternate		ESTs, Moderately similar to T50638 synaptic glycoprotein SC2 [H.sapiens], ESTs, Weakly similar to T50638 synaptic glycoprotein SC2 [H.sapiens], expressed sequence AI173355, glycoprotein, synaptic 2, steroid 5 alpha-reductase 2, steroid 5 alpha-reductase 2-like, steroid 5-alpha-reductase 2, steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)
2084	22340	AI171276	HH, KKK		ESTs, Moderately similar to TALIN [M.musculus], ESTs, Weakly similar to S69890 mitogen inducible gene mig-2 [H.sapiens], Homo sapiens cDNA: FLJ21712 fis, clone COL10231, Mus musculus, Similar to hypothetical protein MGC11134, clone MGC:41710 IMAGE:1364225, mRNA, complete cds, chromosome 20 open reading frame 42, lysosomal amino acid transporter 1, mitogen inducible 2, talin, talin 2
122	21416	AA800962	O, X, Y		ESTs, Moderately similar to TALIN [M.musculus], Mus musculus, Similar to hypothetical protein MGC11134, clone MGC:41710 IMAGE:1364225, mRNA, complete cds, talin, talin 2
2924	1514	J02780	O, P, VV		ESTs, Moderately similar to TROPOMYOSIN 5, CYTOSKELETAL TYPE [M.musculus], tropomyosin 4

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935828.1						
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
2404	16801	AI227894	TT		ESTs, Moderately similar to UBC6_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-21 KD UBCH6 [H.sapiens], ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], Homo sapiens cDNA FLJ25157 fis, clone CBR08008, highly similar to UBIQUITIN-CONJUGATING ENZYME E2-23 KDA (EC 6.3.2.19), RIKEN cDNA 1100001F19 gene, RIKEN cDNA 160002817 gene, hypothetical protein FLJ11011, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5), ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2E 1, UBC4/5 homolog (yeast), ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)	
337	15284	AA858551	BB, CC		ESTs, Moderately similar to UBC6_HUMAN UBIQUITIN-CONJUGATING ENZYME E2-21 KD UBCH6 [H.sapiens], Homo sapiens cDNA FLJ25157 fis, clone CBR08008, highly similar to UBIQUITIN-CONJUGATING ENZYME E2-23 KDA (EC 6.3.2.19), Mus musculus, Similar to ubiquitin-conjugating enzyme E2E 3 (homologous to yeast UBC4/5), clone MGC:28917 IMAGE:4923869, mRNA, complete cds, RIKEN cDNA 6130401J04 gene, hypothetical protein FLJ11011, ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast)	
3640	14633	NM_031533	K		ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709	

TABLE 3						
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709
3718	17805	NM_031980	PP, QQ, TT			ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709
3718	17806	NM_031980	RRR			ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709
4047	14346	NM_153314	N			ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709
4047	14347	NM_153314	K, QQ, UU			ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSOMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709

TABLE 3						
Attorney Docket 44921-5033-01WO Document No. 1935823.1						
Seq ID	GLCG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
4047	14632	NM_153314	MM, TTT		ESTs, Moderately similar to UDB5 MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B5 PRECURSOR, MICROSMAL [M.musculus], Mus musculus, Similar to UDP glycosyltransferase 2 family, polypeptide B4, clone MGC:37823 IMAGE:5098890, mRNA, complete cds, RIKEN cDNA 1300012D20 gene, UDP glycosyltransferase 2 family, polypeptide B17, UDP-glucuronosyltransferase 2 family, member 5, expressed sequence AA986709	
407	23301	AA859975	BB, CC		ESTs, Weakly similar to 2-oxoglutarate carrier [Rattus norvegicus] [R.norvegicus], solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11	
3469	23300	NM_022398	W, DD, EE, BBB, CCC		ESTs, Weakly similar to 2-oxoglutarate carrier [Rattus norvegicus] [R.norvegicus], solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10, solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11	
3424	18727	NM_021577	A, B, I, J, L, MM, WW, BBB, KKK, OOO, TTT, General Alternate		ESTs, Weakly similar to argininosuccinate lyase [Rattus norvegicus] [R.norvegicus], argininosuccinate lyase	
1233	1995	AF038870	C, NN, OO, DDD		ESTs, Weakly similar to betaine-homocysteine methyltransferase [Rattus norvegicus] [R.norvegicus], Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930572N12:betaine-homocysteine methyltransferase, full insert sequence, betaine-homocysteine methyltransferase, betaine-homocysteine methyltransferase 2	
3698	23407	NM_031819	Q, R		ESTs, Weakly similar to cadherin EGF LAG seven-pass G-type receptor [Mus musculus] [M.musculus], FAT tumor suppressor homolog 1 (Drosophila), Fta3 protein, cadherin 23 (otocadherin), calysyntenin 1, calysyntenin 2	

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935828.1						
Seq ID	GLCG ID No.	Genbank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3966	2643	NM_134408	Z, AA, RR		ESTs, Weakly similar to cadherin EGF LAG seven-pass G-type receptor [Mus musculus], KIAA1828 protein, cadherin EGF LAG seven-pass G-type receptor 1, cadherin EGF LAG seven-pass G-type receptor 3	
1243	20133	AF087697	XX, YY		ESTs, Weakly similar to calcium/calmodulin-dependent serine protein kinase [Rattus norvegicus], RIKEN cDNA 2810038M04 gene, RIKEN cDNA 5430426E14 gene, calcium/calmodulin-dependent serine protein kinase, calcium/calmodulin-dependent serine protein kinase (MAGUK family), membrane protein, palmitoylated (55 kDa), membrane protein, palmitoylated 1 (55kD), membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3)	
3447	20248	NM_022205	III, JJJ		ESTs, Weakly similar to CXG chemokine receptor [Rattus norvegicus] [R.norvegicus], G protein-coupled receptor, chemokine (C-X-C motif), receptor 4 (fusin), chemokine (C-X-C) receptor 4	
3447	20249	NM_022205	SS, EEE, MMM		ESTs, Weakly similar to CXG chemokine receptor [Rattus norvegicus] [R.norvegicus], G protein-coupled receptor, chemokine (C-X-C motif), receptor 4 (fusin), chemokine (C-X-C) receptor 4	
3953	15029	NM_133583	NN, FFF, General Core Tox Markers		ESTs, Weakly similar to development-related protein [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to NDRG family, member 4, clone MGC:7067 IMAGE:3156802, mRNA, complete cds, N-myc downstream regulated 2, N-myc downstream regulated 3, N-myc downstream regulated gene 1, RIKEN cDNA 1110025J03 gene, development-related protein	
3953	16993	NM_133583	A, B, H, NN, OO, FFF, III, JJJ, PPP, QQQ, General Core Tox Markers		ESTs, Weakly similar to development-related protein [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to NDRG family, member 4, clone MGC:7067 IMAGE:3156802, mRNA, complete cds, N-myc downstream regulated 2, N-myc downstream regulated 3, N-myc downstream regulated gene 1, RIKEN cDNA 1110025J03 gene, development-related protein	
502	6967	AA891810	S		ESTs, Weakly similar to g1-related zinc finger protein [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:3956746, mRNA, partial cds, g1-related zinc finger protein, similar to RIKEN cDNA 1300002C13	

TABLE 3						
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
502	6968	AA891810	M		ESTs, Weakly similar to g1-related zinc finger protein [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:3956746, mRNA, partial cds, g1-related zinc finger protein, similar to RIKEN cDNA 1300002C13	ESTs, Weakly similar to g1-related zinc finger protein [Mus musculus] [M.musculus], Homo sapiens, clone IMAGE:3956746, mRNA, partial cds, g1-related zinc finger protein, similar to RIKEN cDNA 1300002C13
1803	5967	A1102520	EEE, MMM		ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1	ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1
1803	5969	A1102520	EEE, MMM		ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein	ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein
3514	24458	NM_022706	L, LL		ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein	ESTs, Weakly similar to GABA(A) receptor-associated protein like 2; ganglioside expression factor 2 [Rattus norvegicus] [R.norvegicus], GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein
3546	15779	NM_024163	RR		ESTs, Weakly similar to gamma-aminobutyric acid (GABA-A) receptor, subunit epsilon [Mus musculus] [M.musculus], RIKEN cDNA 0610038H21 gene, RIKEN cDNA 1600029D21 gene, gamma-aminobutyric acid (GABA-A) receptor, subunit epsilon, tight junction protein 4 (peripheral)	ESTs, Weakly similar to gamma-aminobutyric acid (GABA-A) receptor, subunit epsilon [Mus musculus] [M.musculus], RIKEN cDNA 0610038H21 gene, RIKEN cDNA 1600029D21 gene, gamma-aminobutyric acid (GABA-A) receptor, subunit epsilon, tight junction protein 4 (peripheral)
1669	12243	A1070133	RR		ESTs, Weakly similar to histone acetyltransferase [Mus musculus] [M.musculus], histone acetyltransferase, monocytic leukemia zinc finger protein-related factor	ESTs, Weakly similar to histone acetyltransferase [Mus musculus] [M.musculus], histone acetyltransferase, monocytic leukemia zinc finger protein-related factor
1317	11322	A1009492	CC, UUU		ESTs, Weakly similar to hypothetical protein [Homo sapiens] [H.sapiens]	ESTs, Weakly similar to hypothetical protein [Homo sapiens] [H.sapiens]



TABLE 3						
Seq ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	ESTs, Weakly similar to isopentenyl-diphosphate delta isomerase [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to isopentenyl-diphosphate delta isomerase, clone MGC:8139 IMAGE:3589498, mRNA, complete cds, diphosphate dimethylallyl diphosphate isomerase 2, isopentenyl-diphosphate delta isomerase
1217	1058	AF003835	B, XX, YY			ESTs, Weakly similar to isopentenyl-diphosphate delta isomerase [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to isopentenyl-diphosphate delta isomerase, clone MGC:8139 IMAGE:3589498, mRNA, complete cds, diphosphate dimethylallyl diphosphate isomerase 2, isopentenyl-diphosphate delta isomerase
2740	7691	A1236611	Y			ESTs, Weakly similar to isopentenyl-diphosphate delta isomerase [Rattus norvegicus] [R.norvegicus], Mus musculus, Similar to isopentenyl-diphosphate delta isomerase, clone MGC:8139 IMAGE:3589498, mRNA, complete cds, diphosphate dimethylallyl diphosphate isomerase 2, isopentenyl-diphosphate delta isomerase
1441	1205	A1013107	D, V			ESTs, Weakly similar to kinesin family member 3C [Rattus norvegicus] [R.norvegicus], kinesin family member 3B, kinesin family member 3C, kinesin family member 3b, kinesin family member 3c
1469	15904	A1013971	QQ			ESTs, Weakly similar to L1 cell adhesion molecule [Mus musculus] [M.musculus], ESTs, Weakly similar to A41060 neural cell adhesion molecule L1 precursor [H.sapiens], ESTs, Weakly similar to S36126 neural cell adhesion molecule L1 - rat [R.norvegicus], L1 cell adhesion molecule, L1 cell adhesion molecule (hydrocephalus, stenosis of aqueduct of Sylvius 1, MASA (mental retardation, aphasia, shuffling gait and adducted thumbs) syndrome, spastic paraplegia 1), close homolog of L1, neuronal cell adhesion molecule
224	15668	AA819643	K			ESTs, Weakly similar to MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2 long form [Mus musculus] [M.musculus], ESTs, Weakly similar to A53621 AMP-activated protein kinase - rat [R.norvegicus], ESTs, Weakly similar to PUTATIVE SERINE/THREONINE-PROTEIN KINASE EMK [M.musculus], G-protein-coupled receptor induced protein GIG2, Homo sapiens, clone MGC:13661 IMAGE:4286367, mRNA, complete cds, SNF related kinase, SNF1-like kinase, phosphoprotein regulated by mitogenic pathways, protein kinase, AMP-activated, alpha 2 catalytic subunit

TABLE 3						Attorney Docket 44921-5038-01W6 Document No. 1935823.1	
Seq ID	CLCC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence/Cluster Title		
630	3880	AA893247	LL		ESTs, Weakly similar to MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2 long form [Mus musculus] [M.musculus], MAP/microtubule affinity-regulating kinase 3, Mus musculus, clone MGC:36574 IMAGE:5098034, mRNA, complete cds, PAS domain containing serine/threonine kinase, serine/threonine kinase 22C (spermiogenesis associated)		
1343	3882	A1010191	D, U		ESTs, Weakly similar to MAP/microtubule affinity-regulating kinase 3; ELKL motif kinase 2 long form [Mus musculus] [M.musculus], MAP/microtubule affinity-regulating kinase 3, Mus musculus, clone MGC:36574 IMAGE:5098034, mRNA, complete cds, PAS domain containing serine/threonine kinase, serine/threonine kinase 22C (spermiogenesis associated)		
3593	16104	NM_031058	D		ESTs, Weakly similar to mismatch repair protein [Rattus norvegicus] [R.norvegicus], mutS homolog 2 (E. coli), mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli), mutS homolog 3 (E. coli), mutS homolog 4 (E. coli), mutS homolog 5 (E. coli), mutS homolog 6 (E. coli)		
3593	16106	NM_031058	T		ESTs, Weakly similar to mismatch repair protein [Rattus norvegicus] [R.norvegicus], mutS homolog 2 (E. coli), mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli), mutS homolog 3 (E. coli), mutS homolog 4 (E. coli), mutS homolog 5 (E. coli), mutS homolog 6 (E. coli)		
3468	23178	NM_022395	D, SS		ESTs, Weakly similar to mitochondrial processing peptidase beta [Rattus norvegicus] [R.norvegicus], RIKEN cDNA 3110004O18 gene, peptidase (mitochondrial processing) beta, ubiquinol-cytochrome c reductase core protein 1, ubiquinol-cytochrome c reductase core protein 1		
2162	22105	A1175221	RR		ESTs, Weakly similar to mitochondrial ribosomal protein L16 [Homo sapiens] [H.sapiens], mitochondrial ribosomal protein L16		
3583	16561	NM_031020	DD, EE		ESTs, Weakly similar to p38 mitogen activated protein kinase [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase 14, mitogen-activated protein kinase 11, mitogen-activated protein kinase 14		

TABLE 3						
Seq. ID	CLCC ID No.	GenBank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3583	16562	NM_031020	E, T, DD		ESTs, Weakly similar to p38 mitogen activated protein kinase [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase 14, mitogen-activated protein kinase 11, mitogen-activated protein kinase 14	
3583	16564	NM_031020	E, W, TT		ESTs, Weakly similar to p38 mitogen activated protein kinase [Rattus norvegicus] [R.norvegicus], mitogen activated protein kinase 14, mitogen-activated protein kinase 11, mitogen-activated protein kinase 14	
3719	15265	NM_031981	Q, R		ESTs, Weakly similar to p47 [Homo sapiens] [H.sapiens], RIKEN cDNA 3110003A22 gene	
3719	15266	NM_031981	Q, R		ESTs, Weakly similar to p47 [Homo sapiens] [H.sapiens], RIKEN cDNA 3110003A22 gene	
3719	15267	NM_031981	WW		ESTs, Weakly similar to p47 [Homo sapiens] [H.sapiens], RIKEN cDNA 3110003A22 gene	
3396	5264	NM_019340	JJ, KK		ESTs, Weakly similar to regulator of G-protein signaling 3 [Rattus norvegicus] [R.norvegicus], GTP-rho binding protein 1, hypothetical protein FLJ22938, regulator of G protein signaling 3	
3796	21445	NM_053587	W, BB		ESTs, Weakly similar to S100 calcium-binding protein A9 (calgranulin B); intracellular calcium-binding protein (MRP14) [Rattus norvegicus] [R.norvegicus], S100 calcium binding protein A13, S100 calcium binding protein A7 (psoriasin 1), S100 calcium binding protein A9 (calgranulin B)	
3410	24066	NM_019384	UU		ESTs, Weakly similar to Ser/Arg-related nuclear matrix protein; plenty-of-prolines-101; serine/arginine repetitive matrix protein 1 [Mus musculus] [M.musculus], ESTs, Weakly similar to A35938 profilaggrin [H.sapiens], ESTs, Weakly similar to A55817 cyclin-dependent kinase p130-PITSLRE - mouse [M.musculus], Mus musculus, Similar to hypothetical protein MGC13125, clone MGC:38070 IMAGE:5252666, mRNA, complete cds, expressed sequence A1480556, expressed sequence AW742389, glucocorticoid-induced gene 1, serine arginine-rich pre-mRNA splicing factor SR-A1, serine/arginine repetitive matrix 1, serine/arginine repetitive matrix 2, splicing factor, arginine/serine-rich 2, interacting protein	

TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
1581	5711	A1045151	GGG, HHH, General Alternate		ESTs, Weakly similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 [Rattus norvegicus] [R.norvegicus], KIAA0446 gene product, Mus musculus, Similar to CG4995 gene product, clone MGC:7958 IMAGE:3584570, mRNA, complete cds, RIKEN cDNA 1300006L01 gene, expressed sequence AW491445, hypothetical protein FLJ13044, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier), member 18, solute carrier family 25 (mitochondrial carrier, Aralar), member 12, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 13, solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21, solute carrier family 25, (mitochondrial carrier), member 18, solute carrier family 25, member 13 (citrin)	
3721	19768	NM_031986	O, R		ESTs, Weakly similar to syntenin [Rattus norvegicus] [R.norvegicus], syndecan binding protein, syndecan binding protein (syntenin), syndecan binding protein (syntenin) 2	
3835	20421	NM_053821	O, P, W		ESTs, Weakly similar to v-ral simian leukemia viral oncogene homolog B (ras related) [Rattus norvegicus] [R.norvegicus], v-ral simian leukemia viral oncogene homolog B (ras related), v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	
1955	22598	A1137506	U, BB, EEE, MMM		ESTs, Weakly similar to 1313184B alpha1 antitrypsin [H.sapiens], ESTs, Weakly similar to A29035 thyroid hormone-regulated proteinase inhibitor - rat (fragment) [R.norvegicus]	
4094	2686	U08214	Q, R		ESTs, Weakly similar to 2019405A upstream regulator element-binding protein [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:12070 IMAGE:3708271, mRNA, complete cds, RIKEN cDNA 1110018G07 gene, RIKEN cDNA 2810411E22 gene, RIKEN cDNA 4432411E13 gene, RIKEN cDNA 4930431E10 gene, expressed sequence AW212605, upstream regulatory element binding protein 1	

TABLE 3						
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
4132	2685	U47312	Q, R, PP, QQ		ESTs, Weakly similar to 2019405A upstream regulator element-binding protein [Rattus norvegicus] [R.norvegicus], Mus musculus, clone MGC:12070 IMAGE:3708271, mRNA, complete cds, RIKEN cDNA 1110018G07 gene, RIKEN cDNA 2810411E22 gene, RIKEN cDNA 4432411E13 gene, RIKEN cDNA 4930431E10 gene, expressed sequence AW212605, upstream regulatory element binding protein 1	
3578	8815	NM_030991	W		ESTs, Weakly similar to 2122252A Lasp-1 protein [H.sapiens], LIM and SH3 protein 1, RIKEN cDNA 1200007O21 gene	
3729	8817	NM_032613	L, W, AA, CC		ESTs, Weakly similar to 2122252A Lasp-1 protein [H.sapiens], LIM and SH3 protein 1, RIKEN cDNA 1200007O21 gene	
3882	921	NM_057125	KKK		ESTs, Weakly similar to 2204387A peroxisome assembly factor 2 [Rattus norvegicus] [R.norvegicus], ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], RIKEN cDNA 4833413G10 gene, expressed sequence AI195026, peroxisomal biogenesis factor 6, peroxisome biogenesis factor 1, valosin containing protein	
3310	18445	NM_017220	F, L		ESTs, Weakly similar to A26882 pIL2 hypothetical protein - rat [R.norvegicus], ESTs, Weakly similar to AF191020 1 E2IG5 [H.sapiens], RIKEN cDNA 2310056P07 gene, RIKEN cDNA 9430073N08 gene, hypothetical protein, estradiol-induced	
912	1798	AA945569	E, Y, MM, NNN, TTT		ESTs, Weakly similar to A2MG MOUSE ALPHA-2-MACROGLOBULIN PRECURSOR [M.musculus], Mus musculus GPI-anchored alpha-2 macroglobulin-related protein mRNA, complete cds, alpha-2-macroglobulin	
3038	1138	M76740	RR, SS		ESTs, Weakly similar to A39321 mucin - rat [R.norvegicus], mucin 17, mucin 3, intestinal, mucin 3B, silver	
3038	25446	M76740	D, SS		ESTs, Weakly similar to A39321 mucin - rat [R.norvegicus], mucin 17, mucin 3, intestinal, mucin 3B, silver	
3815	5798	NM_053719	T		ESTs, Weakly similar to A46506 leukocyte activation antigen M6 [H.sapiens], basigin (OK blood group), embigin	

TABLE 3						Attorney Docket 44921-5038-01W6 Document No. 1935828.1	
Seq. ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
4048	1753	NM_153318	II, III, JJJ, KKK, General Core Tox Markers		ESTs, Weakly similar to A46661 leukotriene B4 omega-hydroxylase [H.sapiens], ESTs, Weakly similar to CYP4B1 [M.musculus], RIKEN cDNA A230105L22 gene, cytochrome P450 CYP4F13, cytochrome P450, subfamily IV B, polypeptide 1, cytochrome P450, subfamily IVF, polypeptide 3 (leukotriene B4 omega hydroxylase), expressed sequence AW1787289, expressed sequence AW108534, expressed sequence AW111961		
2506	20055	A1230762	V, EEE, MMM		ESTs, Weakly similar to A53742 calponin, acidic - rat [R.norvegicus], Homo sapiens, clone IMAGE:4669781, mRNA, partial cds		
1060	8430	AA964033	HHH		ESTs, Weakly similar to A54691 octamer-binding protein NonO - mouse [M.musculus], ESTs, Weakly similar to PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR [H.sapiens], RIKEN cDNA 9030402K04 gene, non-POU-domain-containing, octamer binding protein, splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated)		
1232	8426	AF036335	JJ, KK, HHH		ESTs, Weakly similar to A54691 octamer-binding protein NonO - mouse [M.musculus], ESTs, Weakly similar to PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR [H.sapiens], RIKEN cDNA 9030402K04 gene, non-POU-domain-containing, octamer binding protein, splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated)		
1232	8427	AF036335	B, HHH		ESTs, Weakly similar to A54691 octamer-binding protein NonO - mouse [M.musculus], ESTs, Weakly similar to PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR [H.sapiens], RIKEN cDNA 9030402K04 gene, non-POU-domain-containing, octamer binding protein, splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated)		
1330	8431	A1009761	L		ESTs, Weakly similar to A54691 octamer-binding protein NonO - mouse [M.musculus], ESTs, Weakly similar to PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR [H.sapiens], RIKEN cDNA 9030402K04 gene, non-POU-domain-containing, octamer binding protein, splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated)		

TABLE 3						
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
107	17997	AA800671	General Alternate		ESTs, Weakly similar to A54854 Ras GTPase activating protein-related protein [H.sapiens]	
609	3438	AA892921	K, V		ESTs, Weakly similar to A55143 calpain (EC 3.4.22.17) light chain - rat (fragment) [R.norvegicus], Mus musculus, Similar to grancalcin, EF-hand calcium binding protein, clone MGC:29240 IMAGE:5044040, mRNA, complete cds, RIKEN cDNA 2310005G05 gene, calpain, small subunit 1, programmed cell death 6, sorcin	
3843	18357	NM_053864	N		ESTs, Weakly similar to A55190 transitional endoplasmic reticulum ATPase (EC 3.6.1.-) [validated] - rat [R.norvegicus], ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], Homo sapiens spermatogenesis associated factor (SPAF) mRNA, complete cds, RIKEN cDNA 4833413G10 gene, RIKEN cDNA 4933439B08 gene, expressed sequence A1195026, katanin p60 (ATPase-containing) subunit A1, nuclear VCP-like, peroxisome biogenesis factor 1, spermatogenesis associated factor, valosin containing protein, valosin-containing protein	
3843	18358	NM_053864	ILL		ESTs, Weakly similar to A55190 transitional endoplasmic reticulum ATPase (EC 3.6.1.-) [validated] - rat [R.norvegicus], ESTs, Weakly similar to TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [M.musculus], Homo sapiens spermatogenesis associated factor (SPAF) mRNA, complete cds, RIKEN cDNA 4833413G10 gene, RIKEN cDNA 4933439B08 gene, expressed sequence A1195026, katanin p60 (ATPase-containing) subunit A1, nuclear VCP-like, peroxisome biogenesis factor 1, spermatogenesis associated factor, valosin containing protein, valosin-containing protein	
2976	695	L41254	F		ESTs, Weakly similar to A55571 chloride conductance inducer Mat-8 [H.sapiens], FXVD domain-containing ion transport regulator 3, FXVD domain-containing ion transport regulator 4	



TABLE 3						Attorney Docket 44921-5088-01WO Document No. 1935828.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
2178	23519	AI175935	UU		ESTs, Weakly similar to A59300 myosin-II - mouse [M.musculus], ESTs, Weakly similar to S52517 myosin I heavy chain - rat [R.norvegicus], ESTs, Weakly similar to SH33_MOUSE SH3-CONTAINING GRB2-LIKE PROTEIN 3 (SH3 DOMAIN PROTEIN 2C) (SH3P13) [M.musculus], RIKEN cDNA 2310020N23 gene, RIKEN cDNA 9130023P14 gene, RIKEN cDNA C330006B10 gene, myosin IE, myosin IF, myosin II		
3474	2236	NM_022512	BBB, CCC		ESTs, Weakly similar to ACYL-COA DEHYDROGENASE, SHORT-CHAIN SPECIFIC PRECURSOR [M.musculus], ESTs, Weakly similar to B34252 acyl-CoA dehydrogenase (EC 1.3.99.3) short-chain-specific precursor, hepatic - rat [R.norvegicus], RIKEN cDNA 2310016C19 gene, RIKEN cDNA 2410021P16 gene, acetyl-Coenzyme A dehydrogenase, short chain, acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain		
2846	19053	D12770	ZZ, AAA		ESTs, Weakly similar to ADT1 MOUSE ADP, ATP CARRIER PROTEIN, HEART/SKELETAL MUSCLE ISOFORM T1 [M.musculus], Mus musculus, Similar to RIKEN cDNA 1700066C05 gene, clone MGC:28125 IMAGE:3980327, mRNA, complete cds, RIKEN cDNA 1700034J06 gene, solute carrier family 25 (mitochondrial carrier, Aralar), member 12, solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4		
3455	6263	NM_022251	EEE, III, JJJ, MMM, OOO, General Core Tox Markers, General Alternate		ESTs, Weakly similar to AMPE MOUSE GLUTAMYL AMINOPEPTIDASE [M.musculus], aminopeptidase puromycin sensitive, glutamyl aminopeptidase, glutamyl aminopeptidase (aminopeptidase A), puromycin-sensitive aminopeptidase		
2832	8106	AI639534	M, LL		ESTs, Weakly similar to ATS4_RAT ADAMTS-4 precursor (A disintegrin and metalloproteinase with thrombospondin motifs 4) (ADAM-TS 4) (ADAM-TS4) (Aggrecanase 1) [R.norvegicus], RIKEN cDNA 2010109H09 gene, a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4, properdin factor, complement		

Attorney Docket 44921-5038-01WO  
Document No. 1935938.1

TABLE 3					
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3816	15269	NM_053739	PP, QQ, DDD, HHH		ESTs, Weakly similar to BCN1_MOUSE Beclin 1 (Coiled-coil myosin-like BCL2-interacting protein) [M.musculus], RIKEN cDNA 4921513J16 gene, beclin 1 (coiled-coil, myosin-like BCL2 interacting protein), beclin 1 (coiled-coil, myosin-like BCL2-interacting protein)
3393	1099	NM_019303	W, CC, General Core Tox Markers		ESTs, Weakly similar to C2F1_HUMAN CYTOCHROME P450 2F1 [H.sapiens], cytochrome P450 monooxygenase CYP2T1, cytochrome P450, 2f2, cytochrome P450, subfamily IIF, polypeptide 1
3759	16018	NM_053401	GG, ZZ, AAA		ESTs, Weakly similar to C35826 hypothetical 13K protein A [H.sapiens], X-linked protein, brain expressed X-linked 2, nerve growth factor receptor (TNFRSF16) associated protein 1, reduced expression 3
3390	24883	NM_019293	OO, General Core Tox Markers		ESTs, Weakly similar to CAH5_RAT Carbonic anhydrase VA, mitochondrial precursor (Carbonate dehydratase VA) (CA-VA) [R.norvegicus], carbonic anhydrase 11, carbonic anhydrase 5a, mitochondrial, carbonic anhydrase 5b, mitochondrial, carbonic anhydrase VA, mitochondrial, carbonic anhydrase VB, mitochondrial
3497	20944	NM_022597	W, EEE, MMM		ESTs, Weakly similar to CATB_MOUSE CATHEPSIN B PRECURSOR [M.musculus], cathepsin B
189	4491	AA818798	O, P, V, VV		ESTs, Weakly similar to CATZ_HUMAN Cathepsin Z precursor (Cathepsin X) (Cathepsin P) [H.sapiens], cathepsin Z, expressed sequence AU019819
303	4490	AA851184	O, P, VV, HHH		ESTs, Weakly similar to CATZ_HUMAN Cathepsin Z precursor (Cathepsin X) (Cathepsin P) [H.sapiens], cathepsin Z, expressed sequence AU019819
2619	10378	A1233300	K		ESTs, Weakly similar to CO5_MOUSE COMPLEMENT C5 PRECURSOR [M.musculus], complement component 5, hemolytic complement
236	230	AA819870	YY, PPP, QQQ		ESTs, Weakly similar to CO9_MOUSE COMPLEMENT COMPONENT C9 [M.musculus], Mus musculus, Similar to complement component 8, alpha polypeptide, clone MGC:29381 IMAGE:5052412, mRNA, complete cds, RIKEN cDNA 4930439B20 gene, complement component 8, beta polypeptide

TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous (Known Gene Name)	Human Homologous Sequence Cluster Title	
4107	228	U20194	H, K, DD, EE, UUU, General Alternate		ESTs, Weakly similar to CO9 MOUSE COMPLEMENT COMPONENT C9 [M.musculus], Mus musculus, Similar to complement component 8, alpha polypeptide, clone MGC:29381 IMAGE:5052412, mRNA, complete cds, RIKEN cDNA 4930439B20 gene, complement component 8, beta polypeptide	
4107	229	U20194	S, Z, AA, BBB, CCC, PPP, QQQ, RRR		ESTs, Weakly similar to CO9 MOUSE COMPLEMENT COMPONENT C9 [M.musculus], Mus musculus, Similar to complement component 8, alpha polypeptide, clone MGC:29381 IMAGE:5052412, mRNA, complete cds, RIKEN cDNA 4930439B20 gene, complement component 8, beta polypeptide	
944	20832	AA946040	F		ESTs, Weakly similar to COXG MOUSE CYTOCHROME C OXIDASE POLYPEPTIDE VIB [M.musculus], Homo sapiens, hypothetical gene LOC125965, clone MGC:33640 IMAGE:4827471, mRNA, complete cds	
1857	20833	A1104035	SS		ESTs, Weakly similar to COXG MOUSE CYTOCHROME C OXIDASE POLYPEPTIDE VIB [M.musculus], Homo sapiens, hypothetical gene LOC125965, clone MGC:33640 IMAGE:4827471, mRNA, complete cds	
640	1562	AA893552	A, F, G, V, SSS, General Alternate		ESTs, Weakly similar to CPI3_RAT CONTRAPSIN-LIKE PROTEASE INHIBITOR 3 PRECURSOR (CPI-23) (SERINE PROTEASE INHIBITOR 1) (SPI-1) [R.norvegicus], serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4, serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1, serine protease inhibitor 2, serine protease inhibitor 2, related sequence 1	
4126	255	U39206	F, FFF, General Alternate		ESTs, Weakly similar to CYP4B1 [M.musculus], cytochrome P450 CYP4F13, cytochrome P450, subfamily IV B, polypeptide 1, cytochrome P450, subfamily IVF, polypeptide 2, expressed sequence A1787289, expressed sequence AW108534	
3411	20716	NM_019623	N, EEE, HHH, MMM, PPP, QQQ, General Alternate		ESTs, Weakly similar to CYP4B1 [M.musculus], RIKEN cDNA 1810054N16 gene, cytochrome P450, subfamily IVF, polypeptide 14 (leukotriene B4 omega hydroxylase), cytochrome P450, subfamily IVF, polypeptide 2, cytochrome P450, subfamily IVF, polypeptide 8, expressed sequence AW108534, expressed sequence AW111961	

TABLE 3

Seq ID		GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3221	1797	NM_013105	K, L, TT, DDD		ESTs, Weakly similar to cytochrome P450 3A13 [M.musculus], Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (naphthalene oxidase), polypeptide 3
3995	21915	NM_138910	Z, AA, OO		ESTs, Weakly similar to DAD1_HUMAN Defender against cell death 1 (DAD-1) [R.norvegicus], defender against cell death 1
3995	21916	NM_138910	OO		ESTs, Weakly similar to DAD1_HUMAN Defender against cell death 1 (DAD-1) [R.norvegicus], defender against cell death 1
318	4941	AA851650	CCC		ESTs, Weakly similar to DAP1_HUMAN DEATH-ASSOCIATED PROTEIN 1 [H.sapiens], death-associated protein
3478	4940	NM_022526	U, BBB		ESTs, Weakly similar to DAP1_HUMAN DEATH-ASSOCIATED PROTEIN 1 [H.sapiens], death-associated protein
3555	9929	NM_024392	U, EE, XX, YY, RRR, SSS		ESTs, Weakly similar to DHB4 MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE 4 [M.musculus], ESTs, Weakly similar to DHB4_HUMAN ESTRADIOL 17 BETA-DEHYDROGENASE 4 [H.sapiens], RIKEN cDNA 110029G07 gene, RIKEN cDNA 1700010M22 gene, RIKEN cDNA 3110069K09 gene, hydroxysteroid (17-beta) dehydrogenase 4
3555	9931	NM_024392	U, RRR, SSS		ESTs, Weakly similar to DHB4 MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE 4 [M.musculus], ESTs, Weakly similar to DHB4_HUMAN ESTRADIOL 17 BETA-DEHYDROGENASE 4 [H.sapiens], RIKEN cDNA 110029G07 gene, RIKEN cDNA 1700010M22 gene, RIKEN cDNA 3110069K09 gene, hydroxysteroid (17-beta) dehydrogenase 4
3555	25070	NM_024392	U, FF, LL, CCC, RRR, SSS		ESTs, Weakly similar to DHB4 MOUSE ESTRADIOL 17 BETA-DEHYDROGENASE 4 [M.musculus], ESTs, Weakly similar to DHB4_HUMAN ESTRADIOL 17 BETA-DEHYDROGENASE 4 [H.sapiens], RIKEN cDNA 110029G07 gene, RIKEN cDNA 1700010M22 gene, RIKEN cDNA 3110069K09 gene, hydroxysteroid (17-beta) dehydrogenase 4

Attorney Docket 44921-5038-01W0  
Document No. 1935823.1

TABLE 3					
Seq ID	CLC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3952	1183	NM_133578	Q		ESTs, Weakly similar to DUS5_RAT Dual specificity protein phosphatase 5 (MAP-kinase phosphatase CPG21) [R.norvegicus], ESTs, Weakly similar to I49365 protein tyrosine phosphatase - mouse [M.musculus], Mus musculus, clone MGC:11703 IMAGE:3964527, mRNA, complete cds, RIKEN cDNA 0710001B24 gene, RIKEN cDNA 2310043K02 gene, RIKEN cDNA 2310076D10 gene, RIKEN cDNA 4930527G07 gene, dual specificity phosphatase 5, expressed sequence BB104621, hypothetical protein MGC1136, protein tyrosine phosphatase, non-receptor type 16
2451	6604	A1229192	General Core Tox Markers		ESTs, Weakly similar to F47 MOUSE COAGULATION FACTOR VII PRECURSOR [M.musculus], coagulation factor IX, coagulation factor X, proline-rich Gla (G-carboxyglutamic acid) polypeptide 1, protein Z, vitamin K-dependent plasma glycoprotein
424	16013	AA866482	Q, R, PPP, QQQ		ESTs, Weakly similar to FGD1 MOUSE PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR [M.musculus], Mus musculus actin-binding protein frabin-alpha mRNA, complete cds, RIKEN cDNA 5830461L01 gene, faciogenital dysplasia (Aarskog-Scott syndrome), faciogenital dysplasia homolog
435	20701	AA875097	E, V, W, Z, AA, BB, CC, OO, PP, SS, UU, EEE, III, KKK, LLL, MMM, UUU		ESTs, Weakly similar to FIBA_RAT Fibrinogen alpha/alpha-E chain precursor [R.norvegicus], Homo sapiens clone HQ0582, expressed sequence AI303526, fibrinogen, A alpha polypeptide, fibrinogen, alpha polypeptide, fibrinogen, gamma polypeptide
1039	24135	AA957736	S		ESTs, Weakly similar to FIBULIN-1, ISOFORM C PRECURSOR [M.musculus], Homo sapiens cDNA FLJ23816 fis, clone HSI02685, Homo sapiens cDNA FLJ32009 fis, clone NT2RP7009498, weakly similar to FIBULIN-1, ISOFORM A PRECURSOR, Mus musculus mRNA for CRTAC1-B protein (CRTAC1 gene), RIKEN cDNA 5730592L21 gene, fibulin 5

TABLE 3

Attorney Docket 44921-5038-01WO Document No. 1935328.1						
Seq. ID	CLGG ID No.	GenBank Acc. or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3905	23550	NM_080698	D		ESTs, Weakly similar to FMOD_HUMAN FIBROMODULIN PRECURSOR [H.sapiens], fibromodulin, fibronectin leucine rich transmembrane protein 1, fibronectin leucine rich transmembrane protein 2, fibronectin leucine rich transmembrane protein 3, hypothetical protein FLJ23447	
1356	15624	A1010449	K		ESTs, Weakly similar to FRP MOUSE FOLLISTATIN-RELATED PROTEIN PRECURSOR [M.musculus], follistatin-like, follistatin-like 1	
3552	15623	NM_024369	K, Y		ESTs, Weakly similar to FRP MOUSE FOLLISTATIN-RELATED PROTEIN PRECURSOR [M.musculus], follistatin-like, follistatin-like 1	
1584	5723	A1045191	PPP, QQQ		ESTs, Weakly similar to FSPO RAT F-SPONDIN PRECURSOR [R.norvegicus], Homo sapiens RPE-spondin (RPESP) mRNA, partial cds, Homo sapiens cDNA: FLJ22401 fls, clone HRC08032, highly similar to AB027466 Homo sapiens SPON2 mRNA for spondin 2, spondin 1, (f-spondin) extracellular matrix protein, spondin 2, extracellular matrix protein	
2260	14083	A1177181	General Core Tox Markers		ESTs, Weakly similar to FYV1 MOUSE FYVE FINGER-CONTAINING PHOSPHOINOSITIDE KINASE [M.musculus], MAD, mothers against decapentaplegic homolog (Drosophila) interacting protein, receptor activation anchor, RIKEN cDNA 1110013H04 gene, myotubularin related protein 3, phosphatidylinositol-4-phosphate 5-kinase, type III	
2837	6601	AJ131902	S, Z, AA		ESTs, Weakly similar to GAS7_MOUSE GROWTH-ARREST-SPECIFIC PROTEIN 7 (GAS-7) [M.musculus], ESTs, Weakly similar to GAS7_RAT Growth-arrest-specific protein 7 (GAS-7) [R.norvegicus], Homo sapiens, Similar to proline-serine-threonine phosphatase-interacting protein 2, clone MGC:9914 IMAGE:3871158, mRNA, complete cds, KIAA0290 protein, RIKEN cDNA 3322402E17 gene, growth arrest specific 7, growth arrest-specific 7, proline-serine-threonine phosphatase interacting protein 1, proline-serine-threonine phosphatase-interacting protein 2	



TABLE 3					Human Homologous Sequence Cluster Title	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name		
1952	7122	A1137468	E, PP, JJJ		ESTs, Weakly similar to GPV_RAT Platelet glycoprotein V precursor (GPV) (CD42D) [R.norvegicus], Platelet glycoprotein 5, RIKEN cDNA 1300018K11 gene, RIKEN cDNA 2610528G05 gene, RIKEN cDNA 5430427N11 gene, carboxypeptidase N, polypeptide 2, 83kD, glycoprotein 5 (platelet), glycoprotein V (platelet), hypothetical protein FLJ12568, leucine-rich alpha-2-glycoprotein	
1423	20817	A1012589	G		ESTs, Weakly similar to GTP_RAT Glutathione S-transferase P (GST 7-7) (Chain 7) (GST class-pi) [R.norvegicus], Mus musculus, clone MGC:37914 IMAGE:5102505, mRNA, complete cds, glutathione S-transferase pi, glutathione S-transferase, pi 2	
4184	20818	X02904	G		ESTs, Weakly similar to GTP_RAT Glutathione S-transferase P (GST 7-7) (Chain 7) (GST class-pi) [R.norvegicus], Mus musculus, clone MGC:37914 IMAGE:5102505, mRNA, complete cds, glutathione S-transferase pi, glutathione S-transferase, pi 2	
4015	9775	NM_139334	Z, WW		ESTs, Weakly similar to guanine nucleotide regulatory protein [H.sapiens], Rho guanine nucleotide exchange factor (GEF) 5	
4015	9776	NM_139334	I, J		ESTs, Weakly similar to guanine nucleotide regulatory protein [H.sapiens], Rho guanine nucleotide exchange factor (GEF) 5	
4015	9778	NM_139334	JJ, KK		ESTs, Weakly similar to guanine nucleotide regulatory protein [H.sapiens], Rho guanine nucleotide exchange factor (GEF) 5	
3916	11421	NM_130405	K		ESTs, Weakly similar to I49140 p62 ras-GAP associated phosphoprotein - mouse [M.musculus], Homo sapiens Sam68-like mammalian protein 1 (SLM1) mRNA, complete cds, KH domain containing, RNA binding, signal transduction associated 1, homolog of mouse quaking QKI (KH domain RNA binding protein), quaking	
3916	12035	NM_130405	O, P		ESTs, Weakly similar to I49140 p62 ras-GAP associated phosphoprotein - mouse [M.musculus], Homo sapiens Sam68-like mammalian protein 1 (SLM1) mRNA, complete cds, KH domain containing, RNA binding, signal transduction associated 1, homolog of mouse quaking QKI (KH domain RNA binding protein), quaking	
2714	7604	A1236039	OO		ESTs, Weakly similar to I56519 taipoxin-associated calcium binding protein-49 precursor - rat [R.norvegicus], Homo sapiens cDNA FLJ14474 fis, clone MAMMA1001256, calumenin, reticulocalbin 1, EF-hand calcium binding domain, reticulocalbin 2, reticulocalbin 2, EF-hand calcium binding domain	



TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935928.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster title	
1251	11251	AI007666	EE		ESTs, Weakly similar to JC4647 KW8 protein - rat [R.norvegicus], ESTs, Weakly similar to JC4688 neuro D-related factor - mouse [M.musculus], basic helix-loop-helix domain containing, class B, 4, hypothetical protein FLJ14708, neurogenic differentiation 2, neurogenic differentiation 4, oligodendrocyte lineage transcription factor 2	
686	22981	AA899455	Z, AA, SS		ESTs, Weakly similar to JC4863 homeobox protein zhx-1 - mouse [M.musculus], KIAA0854 protein, KIAA1443 protein, triple homeobox 1, zinc fingers and homeoboxes protein 1	
219	6281	AA819517	U, SSS, UUU		ESTs, Weakly similar to JC5707 HYA22 protein [H.sapiens], hypothetical protein BC010736	
1377	12629	AI011492	F		ESTs, Weakly similar to JC5707 HYA22 protein [H.sapiens], hypothetical protein BC010736	
1046	5952	AA963102	I, J, WW, General Alternate		ESTs, Weakly similar to JC7328 amino acid transporter A1 [H.sapiens], Homo sapiens clone 24674 mRNA sequence, solute carrier family 38, member 1, solute carrier family 38, member 2	
2081	5953	AI171231	C, I, MM, TTT		ESTs, Weakly similar to JC7328 amino acid transporter A1 [H.sapiens], Homo sapiens clone 24674 mRNA sequence, solute carrier family 38, member 1, solute carrier family 38, member 2	
710	17849	AA900460	GGG		ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], T-complex 1, chaperonin containing TCP1, subunit 2 (beta), chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 2 (beta), chaperonin subunit 7 (eta), expressed sequence AA408524, expressed sequence AL024346, t-complex protein 1	
1815	17850	AI102750	GGG		ESTs, Weakly similar to JQ0866 T-complex protein 1 - rat [R.norvegicus], T-complex 1, chaperonin containing TCP1, subunit 2 (beta), chaperonin containing TCP1, subunit 7 (eta), chaperonin subunit 2 (beta), chaperonin subunit 7 (eta), expressed sequence AA408524, expressed sequence AL024346, t-complex protein 1	

TABLE 3

Seq ID		CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1977		14259	A1145037	PP, QQ		ESTs, Weakly similar to KEAP_RAT Kelch-like ECH-associated protein 1 (Cytosolic inhibitor of Nrf2) (Nrf2) [R.norvegicus], Kelch-like ECH-associated protein 1, Mus musculus, Similar to chromosome 16 open reading frame 44, clone MGC:37805 IMAGE:5098064, mRNA, complete cds, Mus musculus, Similar to hypothetical protein FLJ11078, clone MGC:38024 IMAGE:5151231, mRNA, complete cds, RIKEN cDNA 1200009K10 gene, kelch-like ECH-associated protein 1
2097		18837	A1171583	G		ESTs, Weakly similar to LBP MOUSE LIPOPOLYSACCHARIDE-BINDING PROTEIN PRECURSOR [M.musculus], bactericidal/permeability-increasing protein, cholesterol ester transfer protein, plasma, lipopolysaccharide binding protein, phospholipid transfer protein
559		8159	AA892380	F		ESTs, Weakly similar to LCB1_HUMAN SERINE PALMITOYLTRANSFERASE 1 [H.sapiens]
1042		23541	AA957999	WW		ESTs, Weakly similar to MCAT_Human Mitochondrial Carnitine/acylcarnitine carrier protein, ESTs, Weakly similar to PM34_mouse peroxisomal membrane protein PMP34, ESTs, Weakly similar to TXTP_human tricarboxylate transport protein precursor, similar to solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, clone MGC:35539 IMAGE:5200129, Mus musculus, Similar to hypothetical protein FLJ20551, clone MGC:18873 IMAGE:4235245, RIKEN cDNA 1300019P08 gene, expressed sequence A1194714, expressed sequence AW108044, ornithine transporter 2, solute carrier family 25 (carnitine/acylcarnitine translocase), member 20, solute carrier family 25 (mitochondrial carrier), member 18, solute carrier family 25 (mitochondrial carrier; citrate transporter) member 1, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15, uncoupling protein 2, mitochondrial
951		19044	AA946379	BBB		ESTs, Weakly similar to methyl-CpG binding protein MBD2 [H.sapiens], methyl-CpG binding domain protein 2
870		22392	AA944269	RRR		ESTs, Weakly similar to ML64_HUMAN MLN 64 PROTEIN [H.sapiens], RIKEN cDNA 4933429L05 gene, hypothetical protein MGC3251

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

**TABLE 3** Attorney Docket 44921-5038-01WO Document No. 1935828.1

Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1408	3417	AI012337	General Alternate		ESTs, Weakly similar to NHPX_RAT NHP2-like protein 1 (High mobility group-like nuclear protein 2 homolog 1) ([U4/U6.U5] tri-snRNP 15.5 kDa protein) (OTK27) [R.norvegicus], NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae), RIKEN cDNA 2410130M07 gene, nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs), sperm specific antigen 1
2167	3418	AI175475	MM, TTT, General Core Tox Markers		ESTs, Weakly similar to NHPX_RAT NHP2-like protein 1 (High mobility group-like nuclear protein 2 homolog 1) ([U4/U6.U5] tri-snRNP 15.5 kDa protein) (OTK27) [R.norvegicus], NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae), RIKEN cDNA 2410130M07 gene, nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs), sperm specific antigen 1
1230	4292	AF034896	Z, AA		ESTs, Weakly similar to OL15 MOUSE OLFACTORY RECEPTOR 15 [M.musculus], Homo sapiens cDNA FLJ32992 fis, clone THYMU1000098, Homo sapiens olfactory-like receptor mRNA, complete cds, RIKEN cDNA 493343119 gene, RIKEN cDNA 4933433E02 gene, olfactory receptor 15
3034	20207	M64378	RR		ESTs, Weakly similar to OL15 MOUSE OLFACTORY RECEPTOR 15 [M.musculus], RIKEN cDNA 493343119 gene, RIKEN cDNA 4933433E02 gene, olfactory receptor 15, olfactory receptor 49, olfactory receptor sdolf
3787	15829	NM_053551	ZZ, AAA		ESTs, Weakly similar to PDK4_MOUSE [PYRUVATE DEHYDROGENASE [LIPOAMIDE]] KINASE ISOZYME 4, MITOCHONDRIAL PRECURSOR (PYRUVATE DEHYDROGENASE KINASE ISOFORM 4) [M.musculus], pyruvate dehydrogenase kinase 4, pyruvate dehydrogenase kinase, isoenzyme 4

TABLE 3					
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2886	62	E06822	A, B, P, General Core Tox Markers, General Alternate		ESTs, Weakly similar to PE2R_RAT 20-alpha-hydroxysteroid dehydrogenase (20-alpha-HSD) (HSD1) [R.norvegicus], Mus musculus, Similar to hydroxysteroid (17-beta) dehydrogenase 5, clone MGC:37825 IMAGE:5098938, mRNA, complete cds, aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III), aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II), expressed sequence AW146047, expressed sequence AW557061, hydroxysteroid (17-beta) dehydrogenase 5
3974	61	NM_138510	General Alternate		ESTs, Weakly similar to PE2R_RAT 20-alpha-hydroxysteroid dehydrogenase (20-alpha-HSD) (HSD1) [R.norvegicus], Mus musculus, Similar to hydroxysteroid (17-beta) dehydrogenase 5, clone MGC:37825 IMAGE:5098938, mRNA, complete cds, aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase), aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III), aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II), expressed sequence AW146047, expressed sequence AW557061, hydroxysteroid (17-beta) dehydrogenase 5
3852	4588	NM_053923	II, General Alternate		ESTs, Weakly similar to PK3G_RAT Phosphatidylinositol 3-kinase C2 domain-containing gamma polypeptide (Phosphoinositide 3-Kinase-C2-gamma) (PtdIns-3-kinase C2 gamma) (PI3K-C2gamma) [R.norvegicus], Homo sapiens cDNA FLJ12591 fis, clone NT2RM4001313, moderately similar to PHOSPHATIDYLINOSITOL 3-KINASE VPS34-LIKE (EC 2.7.1.137), phosphatidylinositol 3-kinase, C2 domain containing, alpha polypeptide, phosphatidylinositol 3-kinase, C2 domain containing, gamma polypeptide, phosphoinositide-3-kinase, class 2, beta polypeptide, phosphoinositide-3-kinase, class 2, gamma polypeptide
3775	9307	NM_053491	IN, XX, YY		ESTs, Weakly similar to plasmin [H.sapiens], lipoprotein, Lp(a), plasminogen, plasminogen-like

TABLE 3

Seq ID		CLCG ID No.	GenBank Acc. or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3775	25443		NM_053491	GGG, HHH, PPP, QQQ, UUU, General Alternate		ESTs, Weakly similar to plasmin [H.sapiens], lipoprotein, Lp(a), plasminogen, plasminogen-like
4042	12700		NM_152936	F		ESTs, Weakly similar to PSG1 MOUSE PROSTATIC SECRETORY GLYCOPROTEIN PRECURSOR [M.musculus], RIKEN cDNA 2310065D10 gene, serine protease inhibitor, Kazal type 1, serine protease inhibitor, Kazal type 3
2885	238		E03859	VV		ESTs, Weakly similar to R11A_HUMAN Ras-related protein Rab-11A (RAB-11) (24KG) (YL8) [R.norvegicus], RAB11A, member RAS oncogene family, RAB11a, member RAS oncogene family, RAB25, member RAS oncogene family, expressed sequence AW496496
3035	239		M75153	D		ESTs, Weakly similar to R11A_HUMAN Ras-related protein Rab-11A (RAB-11) (24KG) (YL8) [R.norvegicus], RAB11A, member RAS oncogene family, RAB11a, member RAS oncogene family, RAB25, member RAS oncogene family, expressed sequence AW496496
3035	240		M75153	FF, LL		ESTs, Weakly similar to R11A_HUMAN Ras-related protein Rab-11A (RAB-11) (24KG) (YL8) [R.norvegicus], RAB11A, member RAS oncogene family, RAB11a, member RAS oncogene family, RAB25, member RAS oncogene family, expressed sequence AW496496
3604	20807		NM_031106	F, T, U, FFF		ESTs, Weakly similar to R6RT37 ribosomal protein L37, cytosolic [validated] - rat [R.norvegicus], RIKEN cDNA 1500002F19 gene, RIKEN cDNA 3110005M08 gene, ribosomal protein L37
1466	7299		A1013911	C, G, H, General Core Tox Markers		ESTs, Weakly similar to RBM3 MOUSE PUTATIVE RNA-BINDING PROTEIN 3 [M.musculus], Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310074E15:RNA binding motif protein 3, full insert sequence, RNA binding motif protein 3, RNA binding motif protein, X chromosome, RNA binding motif protein, X chromosome retrogene, cold inducible RNA binding protein, cold inducible RNA-binding protein

Attorney Docket 44921-5038-01WO  
Document No. 1936328.1

TABLE 3

Attorney Docket 44921-5038-01WO Document No. 1933828.1					Human Homologous Sequence Cluster Title	
Seq ID	CLCC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name		
2144	23390	AI172328	G, GGG		ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila)	
3559	23387	NM_024404	E		ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila)	
3559	23388	NM_024404	C		ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila)	
3559	25682	NM_024404	MM, TTT		ESTs, Weakly similar to ROD_RAT Heterogeneous nuclear ribonucleoprotein D0 (hnRNP D0) (AU-rich element RNA-binding protein 1) [R.norvegicus], Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5, musashi homolog 2 (Drosophila)	

TABLE 3						
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935323.1
1223	1308	AF022774	HHH		ESTs, Weakly similar to RP3A_RAT Rabphilin-3A [R.norvegicus], Mus musculus, clone IMAGE:3963643, mRNA, partial cds, RIKEN cDNA 6530413F01 gene, cDNA sequence AJ430384, membrane bound C2 domain containing protein, rabphilin 3A, rabphilin 3A-like (without C2 domains)	
3713	1475	NM_031971	A, B, Q		ESTs, Weakly similar to S10A MOUSE S-100 PROTEIN, ALPHA CHAIN [M.musculus], S100 calcium binding protein A1, S100 calcium binding protein A11 (calizzarin), S100 calcium binding protein P, S100Z protein, expressed sequence AI266795	
4044	20784	NM_153308	Z, AA, HH, WW		ESTs, Weakly similar to S19586 N-methyl-D-aspartate receptor glutamate-binding chain - rat [R.norvegicus], RIKEN cDNA 1110025J15 gene, RIKEN cDNA 2310061B02 gene, RIKEN cDNA 2900002L20 gene, Rattus norvegicus neural membrane protein 35 mRNA, complete cds	
1550	976	AI044259	Z, AA		ESTs, Weakly similar to S21054 DNA-directed RNA polymerase [H.sapiens], Homo sapiens, Similar to RIKEN cDNA 4930521I23 gene, clone MGC:26816 IMAGE:4811804, mRNA, complete cds, lymphocyte antigen 64, polymerase (RNA) II (DNA directed) polypeptide A (220kD)	
569	11992	AA892485	MM, TTT		ESTs, Weakly similar to S21766 dihydrolipoamide S-acetyltransferase (EC 2.3.1.12) - rat (fragment) [R.norvegicus], Mus musculus, clone IMAGE:3586777, mRNA, partial cds, Pyruvate dehydrogenase complex, lipoyl-containing component X; E3-binding protein, RIKEN cDNA 1600017E01 gene, RIKEN cDNA 4930529O08 gene, dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease), dihydrolipoamide branched chain transacylase E2, pyruvate dehydrogenase complex, component X	
2844	5050	D10655	UU, WW		ESTs, Weakly similar to S21766 dihydrolipoamide S-acetyltransferase (EC 2.3.1.12) - rat (fragment) [R.norvegicus], Mus musculus, clone IMAGE:3586777, mRNA, partial cds, Pyruvate dehydrogenase complex, lipoyl-containing component X; E3-binding protein, RIKEN cDNA 1600017E01 gene, RIKEN cDNA 4930529O08 gene, dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease), dihydrolipoamide branched chain transacylase E2, pyruvate dehydrogenase complex, component X	



TABLE 3						
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
3785	12496	NM_053541	XX, YY, RRR		ESTs, Weakly similar to S25111 alpha-2-macroglobulin receptor precursor - mouse [M.musculus], expressed sequence A1848829, expressed sequence AL024237, low density lipoprotein receptor-related protein 3, low-density lipoprotein receptor-related protein 10	
2864	959	D38072	DD, EE		ESTs, Weakly similar to S48748 protein-tyrosine-phosphatase (EC 3.1.3.48), probable non-receptor type 12 splice form - rat [R.norvegicus], protein tyrosine phosphatase, non-receptor type 12, protein tyrosine phosphatase, non-receptor type 22 (lymphoid), protein tyrosine phosphatase, non-receptor type 8	
1248	2947	AF099093	D		ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], RIKEN cDNA 110001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5), ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	
1248	20511	AF099093	Y		ESTs, Weakly similar to S53358 ubiquitin-conjugating enzyme E2.17kB - rat [R.norvegicus], RIKEN cDNA 110001F19 gene, RIKEN cDNA 1600028117 gene, prefoldin 5, ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast), ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5), ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	
3290	13392	NM_017148	T		ESTs, Weakly similar to S53580 cysteine-rich protein - rat [R.norvegicus], RIKEN cDNA 0610025L06 gene, cysteine and glycine-rich protein 1, cysteine rich protein	
2274	6315	A1177645	VV		ESTs, Weakly similar to S69890 mitogen inducible gene mig-2 [H.sapiens], Homo sapiens cDNA: FLJ21712 fis, clone COL10231, chromosome 20 open reading frame 42, lysosomal amino acid transporter 1, mitogen inducible 2	
1392	2516	A1011843	W		ESTs, Weakly similar to SELX_MOUSE SELENOPROTEIN X 1 (SELENOPROTEIN R) [M.musculus], RIKEN cDNA 2310050L06 gene, selenoprotein R, selenoprotein X, 1	
1095	2514	AA964944	UU, KKK		ESTs, Weakly similar to SYHUQT multifunctional aminoacyl-tRNA ligase [H.sapiens]	

TABLE 3					
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
1684	2838	A1070511	G, H		ESTs, Weakly similar to SYV2_MOUSE VALYL-TRNA SYNTHETASE 2 (VALINE--TRNA LIGASE 2) (VALRS 2) [M.musculus], KIAA1885 protein, Mus musculus, clone IMAGE:3982770, mRNA, partial cds, expressed sequence A1035546, valyl-tRNA synthetase 2
1593	5877	A1045768	UUU		ESTs, Weakly similar to T08692 hypothetical protein DKFZp564K112.1 [H.sapiens], HDCMA18P protein
1461	9885	A1013878	LL		ESTs, Weakly similar to T46332 hypothetical protein DKFZp434H0413.1 [H.sapiens], Homo sapiens, clone MGC:9709 IMAGE:3850147, mRNA, complete cds, KIAA1253 protein
47	18227	AA799641	Z, AA		ESTs, Weakly similar to T46332 hypothetical protein DKFZp434H0413.1 [H.sapiens], Homo sapiens, clone MGC:9709 IMAGE:3850147, mRNA, complete cds, KIAA1253 protein, expressed sequence AW121759, expressed sequence C86123
1192	3710	AA999064	Q, R		ESTs, Weakly similar to T47142 hypothetical protein DKFZp761P0724.1 [H.sapiens], KIAA0601 protein, chromosome 20 open reading frame 16
3494	20802	NM_022592	J, Y, FF		ESTs, Weakly similar to TKT_HUMAN TRANSKETOLASE [H.sapiens], RIKEN cDNA 493340119 gene, hypothetical protein DKFZp434L1717, transketolase, transketolase (Wernicke-Korsakoff syndrome), transketolase-like 1
3494	20803	NM_022592	J, X, BB, CC, HH		ESTs, Weakly similar to TKT_HUMAN TRANSKETOLASE [H.sapiens], RIKEN cDNA 493340119 gene, hypothetical protein DKFZp434L1717, transketolase, transketolase (Wernicke-Korsakoff syndrome), transketolase-like 1
3494	20804	NM_022592	X		ESTs, Weakly similar to TKT_HUMAN TRANSKETOLASE [H.sapiens], RIKEN cDNA 493340119 gene, hypothetical protein DKFZp434L1717, transketolase, transketolase (Wernicke-Korsakoff syndrome), transketolase-like 1
3979	20999	NM_138548	I, J		ESTs, Weakly similar to tumor metastasis inhibitor NM23 [M.musculus], Mus musculus, non-metastatic cells 1, protein (NM23A) expressed in, clone MGC:36664 IMAGE:5367221, mRNA, complete cds, non-metastatic cells 1, protein (NM23A) expressed in
3872	17431	NM_054006	LL		ESTs, Weakly similar to UNR PROTEIN [R.norvegicus], Mus musculus, clone MGC:19174 IMAGE:4224466, mRNA, complete cds, NRAS-related gene

Attorney Docket 44921-5033-01WO  
Document No. 193528.1

TABLE 3

Seq ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3872	17433	NM_054006	N, UU		ESTs, Weakly similar to UNR PROTEIN [R.norvegicus], Mus musculus, clone MGC:19174 IMAGE:4224466, mRNA, complete cds, NRAS-related gene
3742	16364	NM_053019	A, B, H, I, GG, OOO, General Core Tox Markers		ESTs, Weakly similar to V1AR MOUSE VASOPRESSIN V1A RECEPTOR [M.musculus], ESTs, Weakly similar to vasopressin receptor V1a, hepatic [R.norvegicus], arginine vasopressin receptor 1A
3788	11843	NM_053555	ZZ, AAA		ESTs, Weakly similar to VAM5_HUMAN VESICULE-ASSOCIATED MEMBRANE PROTEIN 5 (VAMP-5) (MYOBREVIN) (HSPC191) [H.sapiens], vesicle-associated membrane protein 5, vesicle-associated membrane protein 5 (myobrevin)
1986	13167	A1145832	III, JJJ, OOO, General Core Tox Markers, General Alternate		ESTs, Weakly similar to YCD1_HUMAN HYPOTHETICAL PROTEIN CGI-131 [H.sapiens], pilin-like transcription factor
3400	4592	NM_019356	D, PPP, General Alternate		eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD), eukaryotic translation initiation factor 2A
320	19269	AA851785	S		eukaryotic translation initiation factor 3, subunit 8 (110kD)
2381	5481	A180170	Z, AA		eukaryotic translation termination factor 1
350	17334	AA858704	A, B, I, J, SS, General Core Tox Markers		exostoses (multiple) 1, expressed sequence AA409028
1417	15443	A1012480	D		exostoses (multiple) 2, expressed sequence A1893565
3701	11170	NM_031833	O, P, General Alternate		expressed in non-metastatic cells 2, protein (NM23B) (nucleoside diphosphate kinase), non-metastatic cells 2, protein (NM23B) expressed in
1235	17597	AF051943	O, P		expressed in non-metastatic cells 6, protein (nucleoside diphosphate kinase), non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase), nucleoside diphosphate kinase type 6 (inhibitor of p53-induced apoptosis-alpha)

Attorney Docket 44921-5038-01W6  
Document No. 1935828.1

TABLE 3

Seq ID		GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2728	5052	A1236302	ZZ, UUU		expressed sequence AA408768, transthyretin, transthyretin (prealbumin, amyloidosis type I)
3628	12682	NM_031332	M		expressed sequence AA986766, organic cationic transporter-like 4, reduced in osteosclerosis transporter, solute carrier family 22 (organic anion transporter), member 8
3426	17324	NM_021593	L, GG, EEE, GGG, KKK, LLL, MMM, UUU, General Core Tox Markers		expressed sequence A1046660, kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)
2933	293	J05499	GG, VV, GGG		expressed sequence A1195532, liver mitochondrial glutaminase
3194	24718	NM_013003	EE, JJ, KK		expressed sequence A1255394, phosphatidylethanolamine N-methyltransferase
2994	19255	M15562	X, OO		expressed sequence A1323765, histocompatibility 2, class II antigen E alpha, major histocompatibility complex, class II, DR alpha
2994	19256	M15562	M, X, OO		expressed sequence A1323765, histocompatibility 2, class II antigen E alpha, major histocompatibility complex, class II, DR alpha
519	17333	AA891940	EEE, MMM		expressed sequence A1324259, ras homolog 9 (RhoC), ras homolog gene family, member C
2542	4703	A1231606	C, KKK		expressed sequence A1413471, hypothetical protein FLJ11838
3866	16809	NM_053990	B, W, BB, CC, DD, EE, JJ, NN, OO, PP, HHH, III, KKK, NNN, General Core Tox Markers, General Alternate		expressed sequence A1462446, protein tyrosine phosphatase, non-receptor type 2

Attorney Docket 44921-5038-01WO  
Document No. 1935038.1

TABLE 3						Attorney Docket 44921-5033-01WC Document No. 1935323.1	
Seq ID	CLCC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
3021	9223	M36151	X, Y, NN, OO, PP		expressed sequence A1845868, histocompatibility 2, class II antigen A, beta 1, major histocompatibility complex, class II, DO beta, major histocompatibility complex, class II, DQ beta 1		
3211	19335	NM_013067	FF		expressed sequence AU018702, ribophorin I		
237	320	AA819905	U		expressed sequence AU022220, stearoyl-CoA desaturase (delta-9-desaturase), stearoyl-Coenzyme A desaturase 1, stearoyl-coenzyme A desaturase 3		
4010	1301	NM_139192	S, XX		expressed sequence AU022220, stearoyl-CoA desaturase (delta-9-desaturase), stearoyl-Coenzyme A desaturase 1, stearoyl-coenzyme A desaturase 3		
126	11166	AA801346	UU		expressed sequence AU042020, plexin B1, plexin B2, plexin B3		
1930	11165	A1136372	PPP, QQQ		expressed sequence AU042020, plexin B1, plexin B2, plexin B3		
191	7690	AA818875	HHH		expressed sequence AV066530, guanylate cyclase activator 2B (uroguanylin), guanylate cyclase activator 2b (retina)		
961	1809	AA946503	E, V, W, BB, CC, V, EEE, III, JJJ, MMM		expressed sequence AW212229, lipocalin 2 (oncogene 24p3)		
510	16023	AA891872	OOO		expressed sequence BB168308, nicotinamide nucleotide transhydrogenase		
2177	19004	A1175875	NN, OO		fatty acid binding protein 5 (psoriasis-associated), fatty acid binding protein 5, epidermal		
1309	24249	A1009273	I, J, BB, CC		fatty acid synthase, hypothetical protein FLJ20604		
3343	24247	NM_017332	V		fatty acid synthase, hypothetical protein FLJ20604		
4258	16725	X73371	V, X, Y, LL, ZZ, AAA, LLL		Fc fragment of IgG, low affinity IIb, receptor for (CD32), Fc receptor, IgG, low affinity IIb, Mus musculus FCRL mRNA, complete cds, expressed sequence A1528646, immunoglobulin superfamily receptor translocation associated 2		
3541	1161	NM_024153	D		ferredoxin reductase		
4147	1337	U57715	C		FGF receptor activating protein 1, Mus musculus, Similar to FGF receptor activating protein 1, clone MGC:8108 IMAGE:3588752, mRNA, complete cds		
1315	19275	A1009460	O, P		filamin A, alpha (actin binding protein 280)		
1401	13093	A1012177	T		FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene		
1942	13090	A1136977	JJ, KK, KKK		FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene		

TABLE 3						
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
1942	13091	AI136977	T, W, JJ, KK		FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene	
2539	13092	AI231547	T, W, DD, EE, JJ, UU, KKK		FK506 binding protein 4 (59kD), RIKEN cDNA 4930571K23 gene	
2275	21603	AI177742	PPP, QQQ		FK506 binding protein 8 (38 kDa), FK506 binding protein 8 (38kD), RIKEN cDNA 6330408J23 gene	
1402	6547	AI012181	E, JJ, KK		folypolyglutamate synthase, folypolyglutamyl synthetase	
2180	6549	AI176002	JJ		folypolyglutamate synthase, folypolyglutamyl synthetase	
3135	13731	NM_012755	P		FYN oncogene related to SRC, FGR, YES, Fyn proto-oncogene	
1369	13296	AI011020	YY		FYVE zinc finger phosphatase, Mus musculus, clone IMAGE:3668035, mRNA, partial cds, Mus musculus, clone MGC:27983 IMAGE:3596732, mRNA, complete cds, X-linked myotubular myopathy gene 1, myotubular myopathy 1	
3449	20276	NM_022216	SS		G protein-coupled receptor 20, pyrimidinergic receptor P2Y, G-protein coupled, 4	
2067	5968	AI170692	TT		GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein	
2572	17566	AI232301	M		GABA(A) receptor-associated protein, GABA(A) receptor-associated protein like 1, GABA(A) receptor-associated protein like 2, GABA(A) receptor-associated protein-like 2, GABA(A) receptors associated protein like 3, gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1, gamma-aminobutyric acid receptor associated protein	
2651	12736	AI233972	JJJ		gap junction membrane channel protein alpha 4, gap junction protein, alpha 4, 37kD (connexin 37)	
2369	23989	AI179953	PP		gap junction protein, beta 2, 26kD (connexin 26)	
4209	23987	X51615	B, PP, QQ, HHH		gap junction protein, beta 2, 26kD (connexin 26)	

TABLE 3						
Seq ID	CLGC ID No.	GenBank Accor.	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935328.1
2355	16656	AI179634	YY		GASZ, Gasz, Mus musculus, Similar to hypothetical protein DKFZp564O043, clone MGC:36949 IMAGE:4946879, mRNA, complete cds, Mus musculus, Similar to regulatory factor X-associated ankyrin-containing protein, clone MGC:13787 IMAGE:4190691, mRNA, complete cds, RIKEN cDNA 4933400N19 gene, kinase D-interacting substance of 220 kDa, regulatory factor X-associated ankyrin-containing protein	
3940	19099	NM_133417	FF		GCIP-interacting protein p29, Homo sapiens, clone IMAGE:4042910, mRNA, partial cds	
2944	1336	L01267	PPP, QQQ		general transcription factor IIF, polypeptide 2 (30kD subunit)	
1747	9399	AI072812	General Core Tox Markers		glioma-amplified sequence-41	
2534	22379	AI231448	XX		glucose phosphate isomerase, glucose phosphate isomerase 1 complex	
2681	22380	AI235217	Z, AA, NNN		glucose phosphate isomerase, glucose phosphate isomerase 1 complex	
1489	7451	AI029450	E, DD, UU, III, JJJ, KKK, NNN, General Alternate		glutaryl-prolyl-tRNA synthetase	
2667	16781	AI234527	M, GG, TT		glutathione S-transferase A4, glutathione S-transferase, alpha 4	
4242	16780	X62660	X, GG, II, XX, YY		glutathione S-transferase A4, glutathione S-transferase, alpha 4	
3763	6774	NM_053410	CC		glyceronephosphate O-acyltransferase	
2054	11585	AI170502	PP, QQ, YY		Glycogen synthase 2 (liver), Mus musculus, clone MGC:29379 IMAGE:5051685, mRNA, complete cds, glycogen synthase 1 (muscle), glycogen synthase 1, muscle, glycogen synthase 3, brain	
396	22374	AA859804	P		GM2 ganglioside activator protein	
1845	2297	AI103602	GGG		GM2 ganglioside activator protein	
1925	2296	AI112979	GGG		GM2 ganglioside activator protein	
2518	2299	AI231094	GGG		GM2 ganglioside activator protein	



TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935323.1	
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
978	23542	AA955389	AA		GRB2-related adaptor protein, GRB2-related adaptor protein 2, NCK adaptor protein 1, SH3 domain protein 3, Sh3 domain YSC-like 1, growth factor receptor bound protein 2, growth factor receptor-bound protein 2, monocytic adaptor			
3568	18023	NM_030846	S		GRB2-related adaptor protein, GRB2-related adaptor protein 2, SH3 domain protein 3, Sh3 domain YSC-like 1, growth factor receptor bound protein 2, growth factor receptor-bound protein 2, monocytic adaptor			
3568	18728	NM_030846	N, MM, PPP, QQQ, TTT		GRB2-related adaptor protein, GRB2-related adaptor protein 2, SH3 domain protein 3, Sh3 domain YSC-like 1, growth factor receptor bound protein 2, growth factor receptor-bound protein 2, monocytic adaptor			
3913	16267	NM_080896	P, Q, R		G-rich RNA sequence binding factor 1, expressed sequence AA407306, heterogeneous nuclear ribonucleoprotein F, heterogeneous nuclear ribonucleoprotein H1, heterogeneous nuclear ribonucleoprotein H1 (H), heterogeneous nuclear ribonucleoprotein H2			
3567	1221	NM_030845	NNN		GRO1 oncogene, GRO2 oncogene, pro-platelet basic protein, pro-platelet basic protein (includes platelet basic protein, beta-thromboglobulin, connective tissue-activating peptide III, neutrophil-activating peptide-2), small inducible cytokine B subfamily (Cys-X-Cys), member 9			
3876	16043	NM_057100	N, Z, AA, JJ, KK, UUU		growth arrest specific 6, growth arrest-specific 6			
3687	14184	NM_031776	V, UU		guanine deaminase			
3687	14185	NM_031776	V, NN		guanine deaminase			
447	15887	AA875225	PP, QQ		guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3			
447	15888	AA875225	O, P, X, NN, OO, VV, ZZ, AAA		guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3			

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLCG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3586	15886	NM_031035	ZZ, AAA		guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2, guanine nucleotide binding protein, alpha inhibiting 2, guanine nucleotide binding protein, alpha inhibiting 3			
2390	7460	AI180413	N, HH, TT, XX, YY		H factor (complement)-like 1, H factor (complement)-like 2, complement factor H related 3			
4203	7459	X15551	V		H factor (complement)-like 1, H factor (complement)-like 2, complement factor H related 3			
2045	3579	AI170314	PPP, QQQ		H factor (complement)-like 3, H factor 1 (complement), Mus musculus, clone MGC:30368 IMAGE:5135798, mRNA, complete cds, coagulation factor XIII, beta subunit, complement component factor h, complement factor H-related 4, expressed sequence AI194696, seizure related gene 6			
1954	18943	AI137495	F, II		H2A histone family, member C, H2A histone family, member D, H2A histone family, member I, H2A histone family, member L, H2A histone family, member N, H2A histone family, member O, Homo sapiens, clone MGC:21597 IMAGE:4511035, mRNA, complete cds, Mus musculus, similar to H2A histone family, member O, clone MGC:36202 IMAGE:5055276, mRNA, complete cds, expressed sequence R75370			
3504	6121	NM_022686	GG		H4 histone family, member D, H4 histone family, member H, H4 histone family, member I, H4 histone family, member J, H4 histone family, member K, Mus musculus, H4 histone family, member A, clone MGC:30488 IMAGE:4205460, mRNA, complete cds, histone 4 protein			
3505	20507	NM_022687	F		hairy and enhancer of split 3, (Drosophila), hairy homolog (Drosophila)			
3851	8152	NM_053908	O		hemopoietic cell phosphatase, protein tyrosine phosphatase, non-receptor type 13, protein tyrosine phosphatase, non-receptor type 6			
1214	23417	AB022209	B, S, GGG, PPP, QQQ, General Alternate		heterogeneous nuclear ribonucleoprotein F			
3898	8820	NM_080399	S, LLL		HIF-1 responsive RTP801, Homo sapiens, Similar to RIKEN cDNA 1700037B15 gene, clone MGC:9960 IMAGE:3877854, mRNA, complete cds			

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
4177	23282	U90725	FF		high density lipoprotein binding protein (vigilin)			
612	3381	AA892993	X, CCC, SSS, UUU		high mobility group 20 B, high-mobility group 20B			
275	14608	AA849805	U		HLA-B associated transcript 5			
2510	8036	A1230884	F, LLL, SSS, UUU		HMB A-inducible			
2634	3816	A1233729	K, Q, UUU		Homo sapiens cDNA FLJ10203 fis, clone HEMBA1004930, moderately similar to 26S PROTEASOME SUBUNIT S5B, proteasome (prosome, macropain) 26S subunit, non-ATPase, 5			
744	4944	AA924405	KK, HHH, General Core Tox Markers		Homo sapiens cDNA FLJ11845 fis, clone HEMBA1006674, Mus musculus, Similar to hypothetical protein FLJ10350, clone MGC:27585 IMAGE:4489521, mRNA, complete cds, Mus musculus, Similar to neurofilament, heavy polypeptide (200kD), clone MGC:32399 IMAGE:5037953, mRNA, complete cds, nucleolar protein 5A (56kD with KKE/D repeat)			
3986	17530	NM_138877	R, BB, CC, JJ, KK, General Alternate		Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH)			
3986	17531	NM_138877	General Alternate		Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH)			
3986	17532	NM_138877	FFF, General Alternate		Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH)			
3986	17533	NM_138877	I, J, FFF, General Alternate		Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH)			

TABLE 3							Attorney Docket 44921-5038-01W0 Document No. 1935328.1	
Seq ID	GLGC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3986	25039	NM_138877	KK, General Alternate		Homo sapiens cDNA FLJ14413 fis, clone HEMBA1004670, RIKEN cDNA 1500005G05 gene, cytochrome b5 reductase 1 (B5R.1), cytochrome b5 reductase b5R.2, diaphorase (NADH) (cytochrome b-5 reductase), diaphorase 1 (NADH)			
842	7426	AA943494	MM, TTT		Homo sapiens cDNA FLJ14666 fis, clone NT2RP2003000, weakly similar to TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 1, Homo sapiens cDNA FLJ30639 fis, clone CTONG2002803, Homo sapiens polymerase delta-interacting protein 1 mRNA, complete cds, MSTP028 protein, tumor necrosis factor, alpha-induced protein 1 (endothelial)			
2124	7642	AI172045	C, MM, TTT		Homo sapiens cDNA FLJ14828 fis, clone OVARC1000915, highly similar to Homo sapiens histone deacetylase 5 mRNA, histone deacetylase 5, histone deacetylase 9			
3798	20896	NM_053592	U, NNN		Homo sapiens cDNA FLJ25344 fis, clone TST01087, RIKEN cDNA 5031412106 gene			
1636	8315	AI059389	SSS, UUU		Homo sapiens cDNA FLJ30086 fis, clone BNGH4100002, moderately similar to ADENYLOSUCCINATE SYNTHETASE, MUSCLE ISOZYME (EC 6.3.4.4)			
					Homo sapiens cDNA FLJ30116 fis, clone BRACE100042, weakly similar to PROTEIN PHOSPHATASE 2C ABI2 (EC 3.1.3.16), Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, Homo sapiens cDNA FLJ32332 fis, clone PROST2005121, weakly similar to PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (EC 3.1.3.16), KIAA0015 gene product, expressed sequence AI481720, protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform			
366	6440	AA859130	Q, R, General Alternate		Homo sapiens cDNA FLJ30116 fis, clone BRACE100042, weakly similar to PROTEIN PHOSPHATASE 2C ABI2 (EC 3.1.3.16), Homo sapiens cDNA FLJ30553 fis, clone BRAWH2003689, highly similar to Mus musculus clone mouse1-9 putative protein phosphatase type 2C mRNA, Homo sapiens cDNA FLJ32332 fis, clone PROST2005121, weakly similar to PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (EC 3.1.3.16), KIAA0015 gene product, expressed sequence AI481720, protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform			
4035	6439	NM_147209	U		Homo sapiens cDNA FLJ30813 fis, clone FEBRA2001523, ubiquitin c-terminal hydrolase related polypeptide, ubiquitin specific protease 10			
372	15149	AA859327	PPP, QQQ					

TABLE 3						Attorney Docket 44924-6038-01WO Document No. 1935328.1	
Seq. ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
326	19158	AA851953	F		Homo sapiens cDNA FLJ30862 fis, clone FEBRA2003675		
2665	17537	AI234497	VV		Homo sapiens cDNA FLJ30934 fis, clone FEBRA2007017, moderately similar to Homo sapiens TRAF4-associated factor 2 mRNA, sorting nexin 6		
3522	15697	NM_022939	PP, QQ, UU		Homo sapiens cDNA FLJ31164 fis, clone KIDNE1000104, weakly similar to SYNTAXIN 7, expressed sequence AU041521, syntaxin 12, syntaxin 16, syntaxin 7		
450	15410	AA875268	III, JJJ		Homo sapiens cDNA FLJ31499 fis, clone NT2NE2005441, weakly similar to SPLICEOSOME ASSOCIATED PROTEIN 49		
1453	22592	AI013740	O, P, UUU		Homo sapiens cDNA FLJ31762 fis, clone NT2RI2007754, weakly similar to INTESTINAL MEMBRANE A4 PROTEIN, hypothetical protein BC010116, hypothetical protein BC013109		
2702	11164	AI235739	A, B		Homo sapiens cDNA FLJ31775 fis, clone NT2RI2008115, biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)		
4250	602	X68101	ZZ, AAA		Homo sapiens cDNA FLJ32122 fis, clone PEBLM1000144, moderately similar to Trg, KIAA1058 protein, erythroid differentiation regulator, expressed sequence AA959601, expressed sequence R75174		
1819	11655	AI102881	T		Homo sapiens cDNA FLJ32122 fis, clone PEBLM1000144, moderately similar to Trg, KIAA1058 protein, R.norvegicus trg mRNA, RIKEN cDNA 1200017A24 gene, erythroid differentiation regulator, expressed sequence AA959601, expressed sequence R75174		
4012	22595	NM_139253	K		Homo sapiens cDNA FLJ32237 fis, clone PLACE6004966, Human transposon-like element mRNA		
994	12427	AA955771	T		Homo sapiens cDNA FLJ32400 fis, clone SKMUS2000317, weakly similar to Drainin, KIAA0608 protein, KIAA1322 protein		
379	23340	AA859519	BBB, CCC		Homo sapiens cDNA FLJ32971 fis, clone TESTI2008847		
379	23341	AA859519	CCC		Homo sapiens cDNA FLJ32971 fis, clone TESTI2008847		
2695	11264	AI235493	HH		Homo sapiens cDNA: FLJ21205 fis, clone COL00328, integral inner nuclear membrane protein		
2891	21864	H31144	MM, TTT, General Alternate		Homo sapiens cDNA: FLJ21251 fis, clone COL01259, Homo sapiens, Similar to activated p21cdc42Hs kinase, clone MGC:15139 IMAGE:4302390, mRNA, complete cds		

TABLE 3

Seq ID		CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3801	11830		NM_053598	M, DD, SS, TT, FFF, General Core Tox Markers, General Alternate		Homo sapiens cDNA: FLJ22642 fis, clone HSI06970, RIKEN cDNA 4933436C10 gene, nudix (nucleoside diphosphate linked moiety X)-type motif 3, nudix (nucleotide diphosphate linked moiety X)-type motif 3
3801	18795		NM_053598	E, DD, JJ, KK, MM, UU, FFF, KKK, NNN, TTT, General Alternate		Homo sapiens cDNA: FLJ22642 fis, clone HSI06970, RIKEN cDNA 4933436C10 gene, nudix (nucleoside diphosphate linked moiety X)-type motif 3, nudix (nucleotide diphosphate linked moiety X)-type motif 3
3801	23192		NM_053598	N, GG, JJ, KK, General Alternate		Homo sapiens cDNA: FLJ22642 fis, clone HSI06970, RIKEN cDNA 4933436C10 gene, nudix (nucleoside diphosphate linked moiety X)-type motif 3, nudix (nucleotide diphosphate linked moiety X)-type motif 3
1206	16304		AB008424	PP, QQ, EEE, FFF, MMM		Homo sapiens cDNA: FLJ22845 fis, clone KAIA5195, Mus musculus, Similar to cytochrome P450, 2d10, clone MGC:18824 IMAGE:4207630, mRNA, complete cds, cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing), polypeptide 6
4046	1130		NM_153313	T		Homo sapiens cDNA: FLJ22845 fis, clone KAIA5195, Mus musculus, Similar to cytochrome P450, 2d10, clone MGC:18824 IMAGE:4207630, mRNA, complete cds, cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing), polypeptide 6
3128	18730		NM_012730	N, TT		Homo sapiens cDNA: FLJ22845 fis, clone KAIA5195, RIKEN cDNA 1300006E06 gene, cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., -metabolizing), polypeptide 6

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1
Seq ID	GLCG ID No.	GenBank Accession RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
2257	12958	AI177155	J, General Core Tox Markers, General Alternate		Homo sapiens cDNA: FLJ23087 fis, clone LNG06994, highly similar to AF161368 Homo sapiens HSPC105 mRNA, NAD(P) dependent steroid dehydrogenase-like; H105e3		
543	3427	AA892246	C, HH		Homo sapiens clone IMAGE:1963178, mRNA sequence, Mst3 and SOK1-related kinase, Mus musculus, Similar to serine/threonine kinase 24 (Ste20, yeast homolog), clone MGC:6330 IMAGE:3482980, mRNA, complete cds, RIKEN cDNA 2610018G03 gene, expressed sequence AI042849, mitogen-activated protein kinase kinase kinase 5, serine/threonine kinase 25 (yeast)		
1561	3428	AI044653	C		Homo sapiens clone IMAGE:1963178, mRNA sequence, Mst3 and SOK1-related kinase, Mus musculus, Similar to serine/threonine kinase 24 (Ste20, yeast homolog), clone MGC:6330 IMAGE:3482980, mRNA, complete cds, RIKEN cDNA 2610018G03 gene, expressed sequence AI042849, mitogen-activated protein kinase kinase kinase 5, serine/threonine kinase 25 (yeast)		
2042	3429	AI170124	C, HH		Homo sapiens clone IMAGE:1963178, mRNA sequence, Mst3 and SOK1-related kinase, Mus musculus, Similar to serine/threonine kinase 24 (Ste20, yeast homolog), clone MGC:6330 IMAGE:3482980, mRNA, complete cds, RIKEN cDNA 2610018G03 gene, expressed sequence AI042849, mitogen-activated protein kinase kinase kinase 5, serine/threonine kinase 25 (yeast)		
1006	24366	AA956246	OOO, General Core Tox Markers, General Alternate		Homo sapiens mRNA; cDNA DKFZp434B2119 (from clone DKFZp434B2119); partial cds		
733	4917	AA924140	General Alternate		Homo sapiens mRNA; cDNA DKFZp566P2324 (from clone DKFZp566P2324), Homo sapiens, clone MGC:21553 IMAGE:4155396, mRNA, complete cds, KIAA0193 gene product, hypothetical protein BC002980, hypothetical protein FLJ23142		



TABLE 3						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
2056	3013	AI170532	D		Homo sapiens mRNA; cDNA DKFZp566P2346 (from clone DKFZp566P2346), RIKEN cDNA 1700019B01 gene, golgi autoantigen, golgin subfamily a, 4	
1393	4286	AI011920	V		Homo sapiens PNAS-29 mRNA, complete cds, WD repeat domain 1	
2897	17913	H31707	BB, CC		Homo sapiens, clone IMAGE:3940519, mRNA, partial cds, hypothetical protein DKFZp762O076	
2540	19271	AI231566	TT		Homo sapiens, clone MGC:18164 IMAGE:4155088, mRNA, complete cds	
829	12247	AA942812	General Alternate		Homo sapiens, clone MGC:24603 IMAGE:4245508, mRNA, complete cds, hypothetical protein DKFZp564F013, putative homeodomain transcription factor, putative homeodomain transcription factor 1	
4293	8664	Z75029	Q, ZZ, AAA		Homo sapiens, clone MGC:25063 IMAGE:4480702, mRNA, complete cds	
2371	22569	AI179979	III, JJJ, General Core Tox Markers		Homo sapiens, clone MGC:26636 IMAGE:4825619, mRNA, complete cds	
527	16836	AA892005	BBB, CCC		Homo sapiens, clone MGC:32124 IMAGE:4877960, mRNA, complete cds, RIKEN cDNA 1110060M21 gene, RIKEN cDNA 4631434O19 gene, progesterone receptor membrane component 1, progesterone receptor membrane component 2	
1847	13317	AI103637	VV		Homo sapiens, Similar to protein kinase NYD-SP25, clone MGC:26757 IMAGE:4828082, mRNA, complete cds, RIKEN cDNA 2810411G23 gene, tumor protein D52-like 2	
3498	20959	NM_022598	D		Homo sapiens, Similar to RIKEN cDNA 4930513O09 gene, clone MGC:33185 IMAGE:5269882, mRNA, complete cds, Mus musculus, Similar to hypothetical protein DKFZp761J139, clone MGC:11924 IMAGE:3599595, mRNA, complete cds, RIKEN cDNA 4930513O09 gene, cellular nucleic acid binding protein, zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)	
3498	20960	NM_022598	D		Homo sapiens, Similar to RIKEN cDNA 4930513O09 gene, clone MGC:33185 IMAGE:5269882, mRNA, complete cds, Mus musculus, Similar to hypothetical protein DKFZp761J139, clone MGC:11924 IMAGE:3599595, mRNA, complete cds, RIKEN cDNA 4930513O09 gene, cellular nucleic acid binding protein, zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)	

TABLE 3

Seq ID		GLCG ID No.	GenBank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3052	729		M95762	FFF		Homo sapiens, Similar to solute carrier family 6 (neurotransmitter transporter, GABA), member 13, clone MGC:24068 IMAGE:4594185, mRNA, complete cds, Homo sapiens, clone MGC:24098 IMAGE:4612245, mRNA, complete cds, Mus musculus, Similar to solute carrier family 6 (neurotransmitter transporter, GABA), member 13, clone MGC:28956 IMAGE:4240641, mRNA, complete cds, expressed sequence AA589632
952	18383		AA946421	MM, UU, TTT		Homo sapiens, Similar to transcription factor EB, clone IMAGE:3944945, mRNA, partial cds
754	11533		AA924716	MM, TTT		homolog of yeast exosomal core protein CSL4
1869	21922		AI104376	SS		HSPC142 protein
817	1897		AA926292	HH		HTGN29 protein, trans-golgi network protein 1, trans-golgi network protein 2
4217	1899		X53565	WW		HTGN29 protein, trans-golgi network protein 1, trans-golgi network protein 2
652	4554		AA893749	UU		Human DNA sequence from cDNA 16pHQG;19 from chromosome 16p13.3
33	16959		AA799550	HHH		Human putative ribosomal protein S1 mRNA, RIKEN cDNA 9130413I22 gene, T-cell activation protein, hypothetical protein BC006130
3086	17292		NM_012584	K, GGG		hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1, hydroxysteroid dehydrogenase-4, delta<5>-3-beta, hydroxysteroid dehydrogenase-5, delta<5>-3-beta
2760	21091		AI236972	O, P		Hydroxysteroid dehydrogenase, 11 beta type 1, Mus musculus, Similar to hydroxysteroid 17-beta dehydrogenase 11, clone MGC:30360 IMAGE:5132342, mRNA, complete cds, Mus musculus, clone MGC:6908 IMAGE:2655855, mRNA, complete cds, hydroxysteroid (11-beta) dehydrogenase 1, hydroxysteroid 11-beta dehydrogenase 1, retinal short-chain dehydrogenase/reductase retSDR2
2824	2434		AI639411	WW, FFF		hypothetical protein
2824	2435		AI639411	C, FFF		hypothetical protein
2490	7084		AI230362	HH		hypothetical protein BC004507
501	11966		AA891800	L, BB, CC, NNN, OOO, General Alternate		hypothetical protein BC008246, inorganic pyrophosphatase, pyrophosphatase (inorganic)

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935823.1	
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
501	18128	AA891800	OO, General Alternate		hypothetical protein BC008246, inorganic pyrophosphatase, pyrophosphatase (inorganic)			
442	15339	AA875171	UU		hypothetical protein CAB56184			
442	15340	AA875171	XX, YY		hypothetical protein CAB56184			
981	23561	AA955477	E		hypothetical protein FLJ10074			
545	22903	AA892250	P, VV		hypothetical protein FLJ10514			
			General Core Tox Markers, General Alternate					
1652	8132	A1060050	General Alternate		hypothetical protein FLJ10613, hypothetical protein FLJ12595, nucleolar GTPase, putative nucleotide binding protein, estradiol-induced			
211	7208	AA819337	F		hypothetical protein FLJ10856			
740	20797	AA924310	General Alternate		hypothetical protein FLJ20419			
			LL, PPP, QQQ, RRR, UUU					
93	22918	AA800243	UUU		hypothetical protein FLJ20871 similar to FSP27			
			III, JJJ, KKK, OOO, General Core Tox Markers, General Alternate					
555	22867	AA892353	Alternate		hypothetical protein FLJ22353			
2014	20891	A1169337	A, B, HHH		hypothetical protein HSPC111			
626	3879	AA893237	T, DDD		hypothetical protein MBC3205			
1789	21691	A1102027	T		hypothetical protein MGC10540			
1348	16035	A1010295	L		hypothetical protein MGC13010			
45	20980	AA799633	BBB, CCC		hypothetical protein MGC13016			
3946	19613	NM_133544	Q, R, XX		hypothetical protein MGC14697, upregulated during skeletal muscle growth 5			

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	GLCG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
			C, ZZ, AAA, General					
661	2192	AA894086	Alternate		hypothetical protein MGC17552			
1296	2193	AI009062	DD, EE, WW		hypothetical protein MGC17552			
824	9942	AA942697	SS		hypothetical protein MGC3133			
4022	23251	NM_145085	PP, QQ		hypothetical protein MGC3265, prenylcysteine lyase			
95	17206	AA800296	Z, AA		hypothetical protein MGC5378, poly(A) polymerase beta (testis specific)			
784	12386	AA925450	LLL		immunoglobulin superfamily, member 4, nectin 3			
348	12729	AA858677	XX		immunoglobulin superfamily, member 8			
3026	1586	M57728	BBB, CCC		inositol polyphosphate-5-phosphatase, 72 kDa			
3448	20266	NM_022212	D, SS		insulin receptor-related receptor			
			I, J, W, MM, OOO, TTT, General Core					
3227	16982	NM_013144	Tox Markers		insulin-like growth factor binding protein 1			
1093	2492	AA964866	W, QQ		interferon gamma receptor 2, interferon gamma receptor 2 (interferon gamma transducer 1)			
3827	25625	NM_053783	PP, QQ		interferon gamma receptor, interferon gamma receptor 1			
1111	2809	AA996471	A, B, II		JM11 protein			
1388	15033	AI011754	SSS, UUU		JM5 protein, Mus musculus, Similar to hypothetical protein FLJ10055, clone MGC:36416 IMAGE:5322999, mRNA, complete cds, RIKEN cDNA 061008N23 gene			
63	16730	AA799766	L, FFF, HHH, OOO		JTV1 gene			
			W, BB, CC, DD, EE, PP, QQ, III, NNN					
464	5384	AA891041	CC, DD, EE, II, NNN		Jun-B oncogene, jun B proto-oncogene			
3439	20161	NM_021836			Jun-B oncogene, jun B proto-oncogene			
4148	1731	U58858	D, KKK		junction plakoglobin			

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
909	7683	AA945320	ZZ, AAA		karyopherin (importin) alpha 3, karyopherin alpha 3 (importin alpha 4)			
22495	7416	A1230458	MM, TTT		KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1			
1427	17132	A1012648	KKK		KIAA0022 gene product, RIKEN cDNA 1110055L24 gene			
22690	18484	A1235349	Z		KIAA0184 protein			
1607	10069	A1058503	III, JJJ		KIAA0247 gene product			
22388	12556	A1180376	TT		KIAA0310 gene product			
762	23440	AA924881	General Alternate		KIAA0365 gene product			
22736	15398	A1236566	General Alternate		KIAA0375 gene product, nesca protein			
1403	16783	A1012215	JJ, QQ, HHH		KIAA0376 protein, p10-binding protein, ring finger protein 40			
715	3944	AA900688	JJ, KK, MM, TTT		KIAA0553 protein, MDN1, midasin homolog (yeast), O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase), PC326 protein, TPR-containing, SH2-binding phosphoprotein, death inducer-obliterator-1, expressed sequence AF013969			
22915	14266	H33842	JJ		KIAA0553 protein, MDN1, midasin homolog (yeast), O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase), PC326 protein, TPR-containing, SH2-binding phosphoprotein, death inducer-obliterator-1, expressed sequence AF013969			
4059	18457	S45812	XX, YY		KIAA0601 protein, monoamine oxidase A			
33964	7166	NM_134406	UU		KIAA0602 protein, hypothetical protein FLJ20748			
82	3915	AA800029	N		KIAA0916 protein			
22521	14303	A1231159	PP, QQ		KIAA1049 protein			
1452	7274	A1013715	U		LAG1 longevity assurance homolog 1 (S. cerevisiae), bone morphogenetic protein 5			
22209	6237	AA819288	H, S		latexin, retinoic acid receptor responder (tazarotene induced) 1			
2140	11525	A1172286	CCC, RRR, SSS		leucine-rich PPR-motif containing			
342	10517	AA858600	KKK, NNN		leucine-zipper-like transcriptional regulator, 1			

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	GLCG ID No.	GenBank Accession RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3571	9594	NM_030855	RR		ligase I, DNA, ATP-dependent, ligase III, DNA, ATP-dependent, ligase IV, DNA, ATP-dependent			
4195	672	X13722	JJ		low density lipoprotein receptor, low density lipoprotein receptor (familial hypercholesterolemia)			
1292	410	AI008974	UU, OOO, General Alternate		low density lipoprotein receptor-related protein associated protein 1, low density lipoprotein-related protein-associated protein 1 (alpha-2-macroglobulin receptor-associated protein 1)			
2567	409	AI232268	GG		low density lipoprotein receptor-related protein associated protein 1, low density lipoprotein-related protein-associated protein 1 (alpha-2-macroglobulin receptor-associated protein 1)			
2605	17240	AI233054	N, QQ, XX, YY		low molecular mass ubiquinone-binding protein (9.5kD)			
2775	21653	AI237535	Q, R, DD, EE, CCC		LPS-induced TNF-alpha factor			
4140	21654	U53184	Q, R, W		LPS-induced TNF-alpha factor			
3783	14199	NM_053538	O, P		Lysosomal-associated multispinning membrane protein-5, lysosomal-associated protein transmembrane 4A, lysosomal-associated protein transmembrane 4B, lysosomal-associated protein transmembrane 5			
1462	7316	AI013883	Y		makorin, ring finger protein, 1			
1929	7317	AI136123	T		makorin, ring finger protein, 1			
2592	3860	AI232703	U, LL, BBB, CCC, LLL, RRR, SSS, UUU		malonyl-CoA decarboxylase			
3092	382	NM_012599	FF, RRR		mannose binding lectin, liver (A), mannose-binding lectin (protein C) 2, soluble (opsonic defect)			
3789	22919	NM_053556	RR		maternal G10 transcript			
1686	514	AI070584	KKK		matrix metalloproteinase 14 (membrane-inserted)			
2034	3909	AI169903	O, P		MD-2 protein, lymphocyte antigen 96			

TABLE 3						Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq. ID	GLCG ID No.	Genbank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
541	8317	AA892234	A, B, X, Y, GG, NN, OO, GGG		microsomal glutathione S-transferase 3		
599	17923	AA892843	H		mitochondrial ribosomal protein L24		
2133	11416	AI172185	S, EEE, MMM		mitochondrial ribosomal protein L49		
2691	3645	AI235362	K		mitochondrial ribosomal protein L49		
812	20866	AA926098	D		mitochondrial ribosomal protein L53		
2135	20867	AI172214	F		mitochondrial ribosomal protein L53		
2488	23628	AI230278	GG		mitochondrial ribosomal protein S16		
2025	18343	AI169648	WW		mitochondrial ribosomal protein S25		
349	12829	AA858695	XX, YY, CCC		mitochondrial ribosomal protein S33		
3837	17299	NM_053842	PPP, QQQ		mitogen activated protein kinase 1, mitogen-activated protein kinase 1, nemo like kinase		
3341	24766	NM_017322	EE		mitogen activated protein kinase 9, mitogen-activated protein kinase 9		
3341	24767	NM_017322	A, B, L		mitogen activated protein kinase 9, mitogen-activated protein kinase 9		
3704	10176	NM_031837	WW, KKK		MLL septin-like fusion, septin 9		
299	3924	AA851017	W, DDD, LLL		molybdenum cofactor synthesis 2		
299	3925	AA851017	Q, R, WW, LLL		molybdenum cofactor synthesis 2		
4000	809	NM_139089	W		monokine induced by gamma interferon, small inducible cytokine B subfamily (Cys-X-Cys motif), member 13 (B-cell chemoattractant), small inducible cytokine B subfamily (Cys-X-Cys), member 10, small inducible cytokine subfamily B (Cys-X-Cys), member 10, small inducible cytokine subfamily B (Cys-X-Cys), member 11		
1962	12654	AI137864	QQQ		MORF-related gene 15		
2364	17224	AI179883	PP, QQ		MORF-related gene 15, RIKEN cDNA 1700060H10 gene, testis expressed gene 189		
3394	24757	NM_019317	D, Z, AA		mucosal vascular addressin cell adhesion molecule 1		
3777	7219	NM_053512	F		Mus musculus 0 day neonate head cDNA, RIKEN full-length enriched library, clone:4833401P12:peroxiredoxin 4, full insert sequence, peroxiredoxin 4		



TABLE 3

Seq ID		CLCC ID No.	GenBank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2698	1462	AI235585	K			Mus musculus 10 day old male pancreas cDNA, RIKEN full-length enriched library, clone:1810054L16:kidney-derived aspartic protease-like protein, full insert sequence, cathepsin D, cathepsin D (lysosomal aspartyl protease)
3662	20765	NM_031643	LL			Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3000002B10:mitogen activated protein kinase 5, full insert sequence, mitogen activated protein kinase 1, mitogen-activated protein kinase 1
3662	20767	NM_031643	P			Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3000002B10:mitogen activated protein kinase 5, full insert sequence, mitogen activated protein kinase 1, mitogen-activated protein kinase 1
504	7050	AA891824	SS			Mus musculus 13 days embryo head cDNA, RIKEN full-length enriched library, clone:3110005M20:serine/arginine-rich protein specific kinase 2, full insert sequence, Mus musculus adult male lung cDNA, RIKEN full-length enriched library, clone:1200011B22:signal sequence receptor, delta, full insert sequence, serine/threonine kinase 23
1792	7051	AI102055	ZZ, AAA			Mus musculus 13 days embryo head cDNA, RIKEN full-length enriched library, clone:3110005M20:serine/arginine-rich protein specific kinase 2, full insert sequence, Mus musculus adult male lung cDNA, RIKEN full-length enriched library, clone:1200011B22:signal sequence receptor, delta, full insert sequence, serine/threonine kinase 23
3434	19824	NM_021750	A, B, JJ, HHH, General Alternate			Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300015E02:deoxyribonuclease II alpha, full insert sequence, cysteine sulfinic acid decarboxylase-related protein 2
3434	19825	NM_021750	B, I, J, JJ, HHH, General Alternate			Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300015E02:deoxyribonuclease II alpha, full insert sequence, cysteine sulfinic acid decarboxylase-related protein 2
1127	3112	AA997122	NN, OO			Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436K22 gene, adrenomedullin receptor, protein phosphatase
426	22781	AA874926	V, RR, SS			Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436K22 gene, protein phosphatase

Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1995828.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
670	22783	AA894207	SS		Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436K22 gene, protein phosphatase			
2526	22791	A1231230	SS		Mus musculus dual specificity phosphatase T-DSP10 mRNA, complete cds, RIKEN cDNA 5930436K22 gene, protein phosphatase			
3800	21708	NM_053596	PP, QQ, UU, WW		Mus musculus endothelin converting enzyme-2 mRNA, complete cds, endothelin converting enzyme 1, expressed sequence AW322500, mel transforming oncogene-like 1			
3800	21709	NM_053596	MM, PP, UU, III, JJJ, TTT, UUU		Mus musculus endothelin converting enzyme-2 mRNA, complete cds, endothelin converting enzyme 1, expressed sequence AW322500, mel transforming oncogene-like 1			
3868	24430	NM_053996	Z, AA		Mus musculus glycine transporter type 2 (Glyt2) mRNA, complete cds, glycine transporter 1, homolog of rat orphan transporter v7-3, solute carrier family 6 (neurotransmitter transporter, L-proline), member 7			
2964	1795	L24207	K, L, N, O, P, X, NN, OO, PP, TT, LLL, UUU		Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3			
2964	1796	L24207	K, L, M, N, X, TT		Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3			
3221	1793	NM_013105	K, L, M, N, FF, TT, DDD, UUU		Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3			
3221	1794	NM_013105	K, L, M, N, TT, DDD, LLL, UUU		Mus musculus mRNA for cytochrome P450, CYP3A, complete cds, cytochrome P450, steroid inducible 3a11, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3			

TABLE 3						
Seq ID	GLCC ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01W0 Document No. 1935328.1
3752	15791	NM_053341	D		Mus musculus mRNA for PDZ-domain protein Gipc3, complete cds, PDZ domain protein GIPC2, expressed sequence AU021850, regulator of G-protein signaling 19 interacting protein 1, regulator of G-protein signalling 19 interacting protein 1, semaF cytoplasmic domain associated protein 2	
3053	1624	M95768	Z, AA		Mus musculus secreted protein precursor Ym2 mRNA, complete cds, Mus musculus, Similar to di-N-acetylchitinase, clone IMAGE:4038549, mRNA, partial cds, RIKEN cDNA 2210401K11 gene, RIKEN cDNA 4921536121 gene, chitinase 1 (chitotriosidase), chitinase 3-like 3, chitinase, di-N-acetyl-	
2284	19184	AI178025	Q, W		Mus musculus testis expressed homeobox mRNA, complete cds, RIKEN cDNA 5430405H02 gene, RIKEN cDNA 5730599O09 gene, TG interacting factor, TGF(beta)-induced transcription factor 2-like, TGFB-induced factor (TALE family homeobox), TGFB induced factor 2 (TALE family homeobox)	
1456	16584	AI013765	VV		Mus musculus, Arrestin, beta 2, clone MGC:6525 IMAGE:2651372, mRNA, complete cds, RIKEN cDNA 1200006117 gene, arrestin 3, retinal, arrestin, beta 2, expressed sequence AI326910, retinal S-antigen	
3174	16581	NM_012911	VV		Mus musculus, Arrestin, beta 2, clone MGC:6525 IMAGE:2651372, mRNA, complete cds, RIKEN cDNA 1200006117 gene, arrestin 3, retinal, arrestin, beta 2, expressed sequence AI326910, retinal S-antigen	
1197	1962	AB000199	D		Mus musculus, clone IMAGE:3491119, mRNA, partial cds, Rattus norvegicus 3beta-hydroxysteroid dehydrogenase/delta5-delta4 isomerase (3beta-HSD) mRNA, complete cds, hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1, hydroxysteroid dehydrogenase-1, delta<5>-3-beta, hydroxysteroid dehydrogenase-2, delta<5>-3-beta, hydroxysteroid dehydrogenase-3, delta<5>-3-beta, hydroxysteroid dehydrogenase-6, delta<5>-3-beta	
2669	14676	AI234615	E		Mus musculus, clone IMAGE:3986429, mRNA, TRP ion channel TRPM8, cold/menthol receptor 1, transient receptor potential cation channel, subfamily C, member 4, transient receptor potential cation channel, subfamily C, member 5, transient receptor potential cation channel, subfamily M, member 2, transient receptor protein 4	

TABLE 3						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
3553	23489	NM_024375	RR		Mus musculus, clone IMAGE:4224368, mRNA, partial cds, growth differentiation factor 10	
3294	2967	NM_017158	HH		Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, 2c38, cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence A1159681, expressed sequence A1662255	
3294	2968	NM_017158	MM, TTT		Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, 2c38, cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence A1159681, expressed sequence A1662255	
3294	2969	NM_017158	N, TT		Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, 2c38, cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence A1159681, expressed sequence A1662255	
3294	2970	NM_017158	N, HH, SS		Mus musculus, clone MGC:25860 IMAGE:4195655, mRNA, complete cds, RIKEN cDNA 2010301M18 gene, RIKEN cDNA 2210009K14 gene, cytochrome P450, 2c29, cytochrome P450, 2c38, cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 19, expressed sequence A1159681, expressed sequence A1662255	
4144	699	U55765	D, E, BB, GG, NN, III, JJ, RRR		Mus musculus, clone MGC:25863 IMAGE:4196269, mRNA, complete cds, Mus musculus, clone MGC:37860 IMAGE:5100400, mRNA, complete cds, serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10, serine protease inhibitor 1-1	

Attorney Docket 44921-5038-01WO  
Document No. 1935828.1

TABLE 3

Seq ID		CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3954	4312		NM_133586	M, X, TT, LLL, SSS, UUU		Mus musculus, clone MGC:28542 IMAGE:4194872, mRNA, complete cds, Mus musculus, clone MGC:31116 IMAGE:4163362, mRNA, complete cds, carboxylesterase 1, carboxylesterase 1 (monocyte/macrophage serine esterase 1), carboxylesterase 2 (intestine, liver), carboxylesterase 3, carboxylesterase 3 (brain), carboxylesterase-related protein, expressed sequence A1266984, neuroligin 1
890	2893		AA944833	VV		Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, RNA binding protein p45AUF1, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5
2159	2895		AI175095	VV		Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, RNA binding protein p45AUF1, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5
2599	2896		AI232957	VV		Mus musculus, clone MGC:36467 IMAGE:5359082, mRNA, complete cds, RIKEN cDNA 4933434H11 gene, RNA binding protein p45AUF1, heterogeneous nuclear ribonucleoprotein D, heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kD), heterogeneous nuclear ribonucleoprotein D-like, high-glycine/tyrosine protein type I E5
3925	15961		NM_130744	E, III, JJJ		Mus musculus, clone MGC:36715 IMAGE:3979003, mRNA, complete cds, cytoglobin, expressed sequence A1325109
2285	6189		AI178027	G, CC, NN, OO, QQ, PPP, QQQ		Mus musculus, clone MGC:37914 IMAGE:5102505, mRNA, complete cds, glutathione S-transferase pi, glutathione S-transferase, pi 2
3620	20862		NM_031154	A, B, GGG, HHH, General Alternate		Mus musculus, glutathione S-transferase, mu type 3 (Yb3), clone MGC:30483 IMAGE:4166881, mRNA, complete cds, RIKEN cDNA 0610005A07 gene, RIKEN cDNA 1110004G14 gene, glutathione S-transferase M2 (muscle), glutathione S-transferase M4, glutathione S-transferase M5, glutathione S-transferase, mu 5

Attorney Docket 44921-5033-01WO  
Document No. 1935828.1

**TABLE 3**  
 Attorney Docket 44921-5038-01WO  
 Document No. 1935828.1

Seq ID	GLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2850	1728	D16479	U, FF, XX, YY, BBB, RRR, SSS		Mus musculus, Similar to Acetyl-Co A acetyltransferase 1, mitochondrial, clone MGC:39067 IMAGE:5365469, mRNA, complete cds, Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit, clone MGC:7126 IMAGE:3158015, mRNA, complete cds, acetyl-Coenzyme A acyltransferase (peroxisomal 3-oxoacyl-Coenzyme A thiolase), hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit
3989	14964	NM_138884	EEE, MMM		Mus musculus, Similar to aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase), clone MGC:25814 IMAGE:4162788, mRNA, complete cds, aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)
3989	14965	NM_138884	RR		Mus musculus, Similar to aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase), clone MGC:25814 IMAGE:4162788, mRNA, complete cds, aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)
338	13523	AA858552	NN, OO		Mus musculus, Similar to aminopeptidase B, clone MGC:29229 IMAGE:5041005, mRNA, complete cds, expressed sequence A1894167, leukotriene A4 hydrolase
4084	13520	S87522	KK, PP, QQ		Mus musculus, Similar to aminopeptidase B, clone MGC:29229 IMAGE:5041005, mRNA, complete cds, expressed sequence A1894167, leukotriene A4 hydrolase
3828	25594	NM_053799	M		Mus musculus, Similar to aspartyl-tRNA synthetase, clone MGC:6719 IMAGE:3586278, mRNA, complete cds, asparaginyl-tRNA synthetase, aspartyl-tRNA synthetase, lysyl-tRNA synthetase
67	20998	AA799803	T, U, JJ, KK, WW, BBB, GGG, PPP, QQQ, RRR		Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:19094 IMAGE:4196654, mRNA, complete cds, Mus musculus, Similar to complement component 1, s subcomponent, clone MGC:28492 IMAGE:4166254, mRNA, complete cds, complement component 1, s subcomponent, protein C



TABLE 3						
Attorney Docket 44921-5038-01WO Document No: 1935328.1						
Seq ID	CLGC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3919	19316	NM_130411	VV		Mus musculus, Similar to coronin, actin binding protein, 2A, clone IMAGE:4984475, mRNA, partial cds, coronin, actin binding protein 1A, coronin, actin binding protein, 1A	
2680	19057	A1235094	E		Mus musculus, Similar to cortactin isoform B, clone MGC:18474 IMAGE:3981559, mRNA, complete cds, cortactin, ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80/85 src substrate), hematopoietic cell specific Lyn substrate 1, hematopoietic cell-specific Lyn substrate 1	
723	4857	AA901237	RR		Mus musculus, Similar to cyclin K, clone MGC:28173 IMAGE:3986609, mRNA, complete cds, cyclin T1	
3811	3454	NM_053662	Q, R, W		Mus musculus, Similar to cyclin K, clone MGC:28173 IMAGE:3986609, mRNA, complete cds, Paneth cell enhanced expression, RIKEN cDNA 1810009O10 gene, cyclin L, cyclin T1, cyclin T2	
3811	3455	NM_053662	Q, R		Mus musculus, Similar to cyclin K, clone MGC:28173 IMAGE:3986609, mRNA, complete cds, Paneth cell enhanced expression, RIKEN cDNA 1810009O10 gene, cyclin L, cyclin T1, cyclin T2	
3015	16807	M33936	FF		Mus musculus, Similar to cytochrome P450, 4a10, clone MGC:18880 IMAGE:4237837, mRNA, complete cds, Mus musculus, Similar to cytochrome P450, 4a10, clone MGC:25972 IMAGE:4240359, mRNA, complete cds, RIKEN cDNA A230105L22 gene, cytochrome P450, 4a10, cytochrome P450, 4a14, cytochrome P450, subfamily IVA, polypeptide 11, expressed sequence A1314743	
2483	18425	A1230208	OOO		Mus musculus, Similar to ERGL protein; ERGIC-53-like protein, clone MGC:28923 IMAGE:4925160, mRNA, complete cds, RIKEN cDNA 1300009F09 gene, chromosome 5 open reading frame 8, lectin, mannose-binding, 1	
4249	1391	X66366	C, XX, YY		Mus musculus, Similar to gephyrin, clone MGC:38765 IMAGE:5358943, mRNA, complete cds, RIKEN cDNA 2310039I18 gene, RIKEN cDNA 5730552E08 gene, gephyrin	



TABLE 3

Seq ID		GLCG ID No.	Genbank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3929	16767	NM_130826	I, J, U, FF, XX, YY, RRR			Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, clone IMAGE:4953760, mRNA, partial cds, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit
3929	16768	NM_130826	U, Z, AA, XX, BBB, CCC, RRR, SSS			Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, clone IMAGE:4953760, mRNA, partial cds, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit
3929	16769	NM_130826	WW, BBB, CCC			Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, clone IMAGE:4953760, mRNA, partial cds, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit
3958	17758	NM_133606	G, U, FF, LL, XX, YY, BBB, CCC, FFF, RRR, SSS, UUU, General Alternate			Mus musculus, Similar to hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, clone IMAGE:4953760, mRNA, partial cds, RIKEN cDNA 1300002P22 gene, enoyl Coenzyme A hydratase, short chain, 1, mitochondrial, enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase
3399	3775	NM_019354	M, VV			Mus musculus, Similar to hypothetical protein FLJ20551, clone MGC:18873 IMAGE:4235245, mRNA, complete cds, RIKEN cDNA 1300019P08 gene, expressed sequence AW108044, ornithine transporter 2, uncoupling protein 2 (mitochondrial, proton carrier), uncoupling protein 2, mitochondrial

Attorney Docket 44921-5038-01WQ  
Document No. 1933828.1

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
572	15154	AA892532	I, J, K, FF, OOO		Mus musculus, Similar to hypothetical protein MGC3178, clone MGC:28887 IMAGE:4911455, mRNA, complete cds, RIKEN cDNA 120006L06 gene, RIKEN cDNA 1700015E05 gene, RIKEN cDNA 2700053F16 gene, RIKEN cDNA 4921506J03 gene, expressed sequence A1987846, expressed sequence AL023058, expressed sequence C77895, protein disulfide isomerase-related protein			
3839	19018	NM_053849	C, FF		Mus musculus, Similar to hypothetical protein MGC3178, clone MGC:28887 IMAGE:4911455, mRNA, complete cds, RIKEN cDNA 1700015E05 gene, RIKEN cDNA 2700053F16 gene, RIKEN cDNA 4921506J03 gene, calcium binding protein, intestinal, expressed sequence A1987846, protein disulfide isomerase related protein (calcium-binding protein, intestinal-related)			
1004	22576	AA955983	G, H, NNN		Mus musculus, Similar to microsomal glutathione S-transferase 2, clone MGC:41409 IMAGE:1511631, mRNA, complete cds, arachidonate 5-lipoxygenase-activating protein, leukotriene C4 synthase, microsomal glutathione S-transferase 2			
180	4245	AA818692	GG, RR		Mus musculus, Similar to mitochondrial ribosomal protein L33, clone MGC:35714 IMAGE:5365357, mRNA, complete cds, mitochondrial ribosomal protein L33			
3190	9917	NM_012993	JJ, KK, HHH		Mus musculus, Similar to N-arginine dibasic convertase 1, clone MGC:25477 IMAGE:4486176, mRNA, complete cds, expressed sequence A1875733, insulin degrading enzyme, nardilysin (N-arginine dibasic convertase)			
3190	9918	NM_012993	JJ, KK		Mus musculus, Similar to N-arginine dibasic convertase 1, clone MGC:25477 IMAGE:4486176, mRNA, complete cds, expressed sequence A1875733, insulin degrading enzyme, nardilysin (N-arginine dibasic convertase)			
1950	9166	A1137406	BB, CC		Mus musculus, Similar to protein C receptor, endothelial, clone MGC:41156 IMAGE:1054063, mRNA, complete cds, protein C receptor, endothelial, protein C receptor, endothelial (EPCR)			
3856	24778	NM_053962	C, MM, FFF, TTT		Mus musculus, Similar to serine dehydratase, clone MGC:37901 IMAGE:5102037, mRNA, complete cds, expressed sequence AU040765, serine dehydratase, serine racemase			

TABLE 3						
Attorney Docket 44921-5038-01WO Document No. 1935328.1						
Seq ID	GLCG ID No.	GenBank Accor. RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3856	24779	NM_053962	C, MM, TTT		Mus musculus, Similar to serine dehydratase, clone MGC:37901 IMAGE:5102037, mRNA, complete cds, expressed sequence AU040765, serine dehydratase, serine racemase	
3856	25321	NM_053962	MM, FFF, TTT		Mus musculus, Similar to serine dehydratase, clone MGC:37901 IMAGE:5102037, mRNA, complete cds, expressed sequence AU040765, serine dehydratase, serine racemase	
3051	3424	M94557	A, B		Mus musculus, Similar to single-stranded DNA binding protein, clone MGC:41439 IMAGE:1314987, mRNA, complete cds, single-stranded DNA binding protein, single-stranded DNA binding protein 1	
2970	31	L27651	XX, YY, General Alternate		Mus musculus, Similar to solute carrier family 22 (organic anion transporter), member 7, clone MGC:18877 IMAGE:4236556, mRNA, complete cds, expressed sequence AI648912, solute carrier family 22 (organic anion transporter), member 6, solute carrier family 22 (organic anion transporter), member 7	
2970	32	L27651	M, U, GGG, OOO, PPP, QQQ, General Core Tox Markers, General Alternate		Mus musculus, Similar to solute carrier family 22 (organic anion transporter), member 7, clone MGC:18877 IMAGE:4236556, mRNA, complete cds, expressed sequence AI648912, solute carrier family 22 (organic anion transporter), member 6, solute carrier family 22 (organic anion transporter), member 7	
4170	1602	U76379	C, T, TT, EEE, MMM		Mus musculus, Similar to solute carrier family 22 (organic cation transporter)-like 2, clone MGC:25980 IMAGE:4242162, mRNA, complete cds, solute carrier family 22 (organic cation transporter), member 1	
4264	1603	X78855	TT		Mus musculus, Similar to solute carrier family 22 (organic cation transporter)-like 2, clone MGC:25980 IMAGE:4242162, mRNA, complete cds, solute carrier family 22 (organic cation transporter), member 1	

TABLE 3							Attorney Docket 44921-5038-01W0 Document No. 1935328.1	
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
1382	16112	AI011706	C		Mus musculus, Similar to splicing factor, arginine/serine-rich 7 (35kD), clone MGC:38287 IMAGE:5342587, mRNA, complete cds, Mus musculus, clone MGC:36924 IMAGE:4945988, mRNA, complete cds, RIKEN cDNA 1210001E11 gene, splicing factor, arginine/serine-rich 3, splicing factor, arginine/serine-rich 3 (SRp20), splicing factor, arginine/serine-rich 4, splicing factor, arginine/serine-rich 5, splicing factor, arginine/serine-rich 5 (SRp40, HRS)			
3977	21439	NM_138533	S, General Core Tox Markers, General Alternate		Mus musculus, Similar to spondin 1a, clone MGC:18859 IMAGE:4221758, mRNA, complete cds, RIKEN cDNA 2310045I24 gene, f-spondin, hypothetical protein MGC10724, properdin P factor, complement			
1241	20741	AF084186	A, Q, R, JJ, KK, WW, FFF, GGG, HHH, PPP, QQQ		Mus musculus, similar to src homology three (SH3) and cysteine rich domain, clone MGC:38869 IMAGE:5361431, mRNA, complete cds, RIKEN cDNA 2610027H02 gene, RIKEN cDNA 2610301F02 gene, alpha-spectrin 1, erythroid, nesprin-1, spectrin, alpha, erythrocytic 1 (eliptocytosis 2), spectrin, alpha, non-erythrocytic 1 (alpha-fodrin), src homology three (SH3) and cysteine rich domain			
3454	760	NM_022245	LL		Mus musculus, Similar to sulfite oxidase, clone MGC:28458 IMAGE:4160277, mRNA, complete cds, RIKEN cDNA 0610009N12 gene, cytochrome b-5			
3454	762	NM_022245	K, GG, PP, QQ, TT		Mus musculus, Similar to sulfite oxidase, clone MGC:28458 IMAGE:4160277, mRNA, complete cds, RIKEN cDNA 0610009N12 gene, cytochrome b-5			
3613	14970	NM_031127	G, I, J, OOO, PPP, QQQ, General Core Tox Markers, General Alternate		Mus musculus, Similar to sulfite oxidase, clone MGC:28458 IMAGE:4160277, mRNA, complete cds, RIKEN cDNA 1810044O22 gene, RIKEN cDNA 2810034J18 gene, sulfite oxidase			
120	10320	AA800855	BB, CC		myeloid leukemia factor 2			
369	18140	AA859240	JJ, KK		myo-inositol 1-phosphate synthase A1			

TABLE 3						Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	GLGG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
4213	517	X52713	RR		myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse), myxovirus (influenza virus) resistance 2		
3855	14591	NM_053961	DD, EE, NNN		N-acetyl galactosaminidase, alpha, N-acetylgalactosaminidase, alpha-		
3840	16362	NM_053853	C, W		N-acetyltransferase 1 (arylamine N-acetyltransferase)		
2479	17672	AI230074	N, PPP, QQQ		NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1 (7.5kD, MWFE)		
1876	18509	AI104528	LL, RRR		NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6 (17kD, B17)		
2211	22823	AI176491	WW, BBB, CCC		NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (6kD, KFYI)		
2709	22717	AI235948	M		Nidogen (entactin), nidogen (enactin), nidogen 1		
2544	17297	AI231785	S		Niemann Pick type C2, Niemann-Pick disease, type C2		
3056	1508	M97662	M		Nit protein 2, expressed sequence A195023, nitrilase 1, ureidopropionase, beta		
1135	16883	AA997345	A, B, General Core Tox Markers		Nit protein 2, RIKEN cDNA 1190017B19 gene		
3767	4621	NM_053463	JJ, KK		nucleobindin, nucleobindin 1		
3767	4622	NM_053463	JJ, KK		nucleobindin, nucleobindin 1		
2457	2615	AI229318	K, Q		nucleolar cysteine-rich protein		
859	24369	AA944011	H		nucleotide binding protein 2, nucleotide binding protein 2 (MinD homolog, E. coli)		
2389	24368	AI180392	G, H, ZZ		nucleotide binding protein 2, nucleotide binding protein 2 (MinD homolog, E. coli)		
711	6483	AA900461	RR		OB-receptor gene related protein (OB-RGRP), RIKEN cDNA 1520402O14 gene, leptin receptor gene-related protein, leptin receptor overlapping transcript-like 1		
1246	20236	AF091570	Z, AA, RR		odorant receptor S1 gene, olfactory receptor 41, olfactory receptor, family 6, subfamily A, member 1		
1582	5712	AI045154	XX, YY		origin recognition complex, subunit 5 homolog (S. cerevisiae), origin recognition complex, subunit 5-like (yeast)		
2505	15551	AI230759	A, B, Z, AA, RR		ornithine decarboxylase antizyme 2		
2835	14332	AJ001044	II		p53-induced protein PIGPC1, tumor-associated calcium signal transducer 1		

**TABLE 3** Attorney Docket 44921-5038-01WO Document No. 1935828.1

Seq. ID	CLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
3395	16330	NM_019331	S		paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein), proprotein convertase subtilisin/kexin type 3, proprotein convertase subtilisin/kexin type 4
3395	16331	NM_019331	S, W		paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein), proprotein convertase subtilisin/kexin type 3, proprotein convertase subtilisin/kexin type 4
292	22721	AA850781	V		peptidylprolyl isomerase D (cyclophilin D)
3880	15391	NM_057114	U, LLL		peroxiredoxin 1
3484	9240	NM_022540	E, BBB, CCC		peroxiredoxin 3
3484	9241	NM_022540	KK		peroxiredoxin 3
3774	4290	NM_053487	BBB		peroxisomal biogenesis factor 11A, peroxisomal biogenesis factor 11B, peroxisomal biogenesis factor 11a, peroxisomal biogenesis factor 11b
96	17187	AA800315	XX, YY, BBB, CCC		peroxisomal farnesylated protein
885	22452	AA944542	L, T, KKK		peroxisomal membrane protein 4, peroxisomal membrane protein 4 (24kD)
2293	1050	AI178219	V		phosphatidylinositol glycan, class L
3899	15764	NM_080480	K		phosphatidylinositol-4-phosphate 5-kinase, type II, beta, phosphatidylinositol-4-phosphate 5-kinase, type II, gamma
1713	11125	AI071867	Z		phosphatidylserine synthase 1, phosphatidylserine synthase 2
2484	15862	AI230228	ZZ, AAA		phosphoserine aminotransferase
2132	1957	AI172143	KKK		phytanoyl-CoA hydroxylase, phytanoyl-CoA hydroxylase (Refsum disease)
2185	7022	AI176041	LLL, SSS, UUU		Pirin, RIKEN cDNA 2310042L19 gene
44	19472	AA799616	C, UU		pituitary tumor-transforming 1 interacting protein
1166	14149	AA998172	GG		platelet-activating factor acetylhydrolase, isoform 1b, alpha2 subunit, platelet-activating factor acetylhydrolase, isoform 1b, beta subunit (30kD)
2537	16073	AI231489	II		poly(rC) binding protein 3
1128	23930	AA997182	TT		polymerase (RNA) II (DNA directed) polypeptide H



TABLE 3					Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	
3969	2802	NM_134449	A		polymerase I and transcript release factor, serum deprivation response, serum deprivation response (phosphatidylserine binding protein)	
2181	23311	A1176003	Z, AA		proline arginine-rich end leucine-rich repeat protein	
534	19469	AA892112	V, NN, EEE, MMM		proline dehydrogenase, proline dehydrogenase (oxidase) 1	
2618	19470	A1233266	GGG, HHH		proline dehydrogenase, proline dehydrogenase (oxidase) 1	
1552	5451	A1044322	DD, EE		proteasome (prosome, macropain) 26S subunit, non-ATPase, 12	
356	6403	AA858879	A, B, G, H, S, PPP, QQQ		proteasome (prosome, macropain) 26S subunit, non-ATPase, 13	
2627	18900	A1233570	X, Y, LLL, SSS, UUU		proteasome (prosome, macropain) 26S subunit, non-ATPase, 8	
					Protein kinase C, type I (gamma type), RIKEN cDNA 1200003E11 gene, Rattus norvegicus Munc13-3 mRNA, complete cds, copine III, copine IV, protein kinase C, gamma	
377	6342	AA859458	Z, AA		protein predicted by clone 23733	
477	21952	AA891537	UU, ZZ, AAA		protein-tyrosine sulfotransferase 2, tyrosylprotein sulfotransferase 2	
2509	17720	A1230778	I, J		putative c-Myc-responsive	
3943	21703	NM_133525	JJ, KK		RAB10, member RAS oncogene family, RAB12, member RAS oncogene family, RAB32, member RAS oncogene family, RAB38, member RAS oncogene family, RIKEN cDNA 2810011A17 gene, Rab38, member of RAS oncogene family, expressed sequence AA539666, expressed sequence AW107754	
4027	24657	NM_145774	L, OOO, General Alternate		RAB11a, member RAS oncogene family, RAB28, member RAS oncogene family, expressed sequence AW496496	
3860	18798	NM_053978	HHH		RAB31, member RAS oncogene family, RAB5A, member RAS oncogene family, RAB5B, member RAS oncogene family, RAB5C, member RAS oncogene family	
3507	20303	NM_022692	Q, R			
			E, K, L, KKK, NNN, OOO, General			
3349	20778	NM_019124	Alternate		rabaptin 5, rabaptin-5	



TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935928.1	
Seq ID	CLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
4023	9845	NM_145672	EEE, MMM		Rattus norvegicus CXC chemokine RTCK1 (Rtck1) mRNA, complete cds, interleukin 8			
2372	6455	AI179984	XX, YY, PPP, QQQ		Rattus norvegicus kallistatin mRNA, complete cds, serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antipain, pigment epithelium derived factor), member 1, serine protease inhibitor 2			
4017	4949	NM_139338	D		Rattus norvegicus mRNA for NaPi-2 alpha, complete cds, Solute carrier family 17 (sodium/hydrogen exchanger), member 2, expressed sequence AI649385, solute carrier family 34 (sodium phosphate), member 1			
1947	21520	AI137332	T		RCE1 homolog, prenyl protein protease (S. cerevisiae), Ras and a-factor-converting enzyme 1 homolog (S. cerevisiae)			
2842	1515	D10233	O, P		renin binding protein			
374	15160	AA859346	S		ribonuclease P (38kD)			
3511	17809	NM_022699	O, P, XX, YY		ribosomal protein L30			
296	1867	AA850940	S, JJ, KK, FFF, GGG, General Alternate		ribosomal protein L4			
3269	18452	NM_017074	L, OO, UU		RIKEN cDNA 061001013 gene, cystathionase (cystathionine gamma-lyase), expressed sequence AI098105			
3269	18453	NM_017074	L, NN, OO, III, JJJ, OOO		RIKEN cDNA 061001013 gene, cystathionase (cystathionine gamma-lyase), expressed sequence AI098105			
3965	23321	NM_134407	C, K, W, BB, CC, NN, OO, GGG, III, JJJ, LLL		RIKEN cDNA 0610025K21 gene, aflatoxin B1 aldehyde reductase, aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)			
3965	23322	NM_134407	L, BB, CC, NN, OO		RIKEN cDNA 0610025K21 gene, aflatoxin B1 aldehyde reductase, aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)			

TABLE 3							Attorney Docket 44921-5038-01W0 Document No. 1935328.1
Seq ID	CLGC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
3236	20864	NM_013215	G, K, S, X, JJ, KK, NN, DDD, EEE, GGG, HHH, MMM		RIKEN cDNA 0610025K21 gene, aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)		
340	18001	AA858573	LL, EEE,		RIKEN cDNA 0610038O04 gene, secreted phosphoprotein 2, 24kD		
1529	18002	AI043655	MMM, UUU		RIKEN cDNA 0610038O04 gene, secreted phosphoprotein 2, 24kD		
4104	17999	U19485	O, P, YY		RIKEN cDNA 0610038O04 gene, secreted phosphoprotein 2, 24kD		
4104	18000	U19485	BBB, CCC		RIKEN cDNA 0610038O04 gene, secreted phosphoprotein 2, 24kD		
3614	6525	NM_031129	CCC		RIKEN cDNA 0610040H15 gene, RIKEN cDNA 2210409E12 gene, transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B)		
882	14763	AA944481	F		RIKEN cDNA 1110007F23 gene, angiopoietin 2, angiopoietin-like 3, angiopoietin-like 4, ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin), ficolin (collagen/fibrinogen domain containing) 1, ficolin B		
3769	23274	NM_053467	FF		RIKEN cDNA 1110014L17 gene, RIKEN cDNA 1810008K16 gene, RIKEN cDNA 2400003B06 gene, transmembrane trafficking protein		
3769	23276	NM_053467	O, P, FF		RIKEN cDNA 1110014L17 gene, RIKEN cDNA 1810008K16 gene, RIKEN cDNA 2400003B06 gene, transmembrane trafficking protein		
			V		RIKEN cDNA 1110019K23 gene, methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase, methylenetetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase, methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthase, methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase		
2934	1549	J05519	MM, TTT		RIKEN cDNA 1110033E03 gene, phosphate cytidylyltransferase 2, ethanolamine		
3792	21940	NM_053568	KKK, NNN		RIKEN cDNA 1110033E03 gene, phosphate cytidylyltransferase 2, ethanolamine		
3792	21941	NM_053568	T, XX, KKK		RIKEN cDNA 1110033E03 gene, phosphate cytidylyltransferase 2, ethanolamine		

TABLE 3						
Seq ID	GLC ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Human Homologous Sequence Cluster Title
3960	19706	NM_134329	M, U		RIKEN cDNA 1300002P07 gene, RIKEN cDNA 1810009C16 gene, alcohol dehydrogenase 3 complex, alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	RIKEN cDNA 1300002P07 gene, RIKEN cDNA 1810009C16 gene, alcohol dehydrogenase 3 complex, alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide
608	24280	AA892919	V		RIKEN cDNA 1300003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1	RIKEN cDNA 1300003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1
3517	24283	NM_022869	SS		RIKEN cDNA 1300003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1	RIKEN cDNA 1300003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1
3517	24284	NM_022869	C, AAA, General Core Tox Markers		RIKEN cDNA 1300003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1	RIKEN cDNA 1300003A17 gene, RIKEN cDNA 3222402O04 gene, expressed sequence C76800, hypothetical protein DKFZp761B2423, myeloid/lymphoid or mixed-lineage leukemia, nucleolar and coiled-body phosphoprotein 1, nucleolar and coiled-body phosphoprotein 1
3587	21094	NM_031039	HH, XX, General Alternate		RIKEN cDNA 1300007J06 gene, RIKEN cDNA 2310022B03 gene, expressed sequence AU014768, glutamic pyruvate transaminase (alanine aminotransferase) 2, glutamic-pyruvate transaminase (alanine aminotransferase)	RIKEN cDNA 1300007J06 gene, RIKEN cDNA 2310022B03 gene, expressed sequence AU014768, glutamic pyruvate transaminase (alanine aminotransferase) 2, glutamic-pyruvate transaminase (alanine aminotransferase)
3587	21096	NM_031039	M		RIKEN cDNA 1300007J06 gene, RIKEN cDNA 2310022B03 gene, expressed sequence AU014768, glutamic pyruvate transaminase (alanine aminotransferase) 2, glutamic-pyruvate transaminase (alanine aminotransferase)	RIKEN cDNA 1300007J06 gene, RIKEN cDNA 2310022B03 gene, expressed sequence AU014768, glutamic pyruvate transaminase (alanine aminotransferase) 2, glutamic-pyruvate transaminase (alanine aminotransferase)
389	11635	AA859645	A, B, F, G, S, FFF, GGG, III, JJJ, OOO, General Core Tox Markers		RIKEN cDNA 1300011D16 gene, attractin, testis intracellular mediator protein	RIKEN cDNA 1300011D16 gene, attractin, testis intracellular mediator protein
633	4242	AA893325	A, B, F, H, X, Y, LLL		RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase, ornithine aminotransferase (gyrate atrophy)	RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase, ornithine aminotransferase (gyrate atrophy)

TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935328.1	
Seq ID	GLCG ID No.	GenBank Accor RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
3050	25467	M93297	A, B, II, WW		RIKEN cDNA 1300019H02 gene, RIKEN cDNA 2900006B13 gene, ornithine aminotransferase, ornithine aminotransferase (gyrate atrophy)			
1801	15218	A102495	PPP, QQQ		RIKEN cDNA 1300019I21 gene, nucleoside phosphorylase			
884	12228	AA944536	ZZ, AAA		RIKEN cDNA 1500002F19 gene, RIKEN cDNA 3110005M08 gene, ribosomal protein L37			
2241	10310	A1176961	A, B, H		RIKEN cDNA 1500031N16 gene, mitochondrial ribosomal protein L12			
351	6380	AA858758	FF, LL		RIKEN cDNA 1500031O19 gene, hypothetical protein MGC12335			
3239	20826	NM_013218	C, HH		RIKEN cDNA 1700018L02 gene, adenylate kinase 3 alpha like, expressed sequence A1506714			
1097	2542	AA965035	HH		RIKEN cDNA 1700030G05 gene, basic leucine zipper nuclear factor 1 (JEM-1)			
27	21120	AA799526	S		RIKEN cDNA 1700043E15 gene, small nuclear ribonucleoprotein D3 polypeptide (18kD)			
4153	1547	U66471	MM, TTT		RIKEN cDNA 1810009H17 gene, cell growth regulatory with ring finger domain			
2094	17529	A1171460	WW		RIKEN cDNA 1810026B04 gene, dicarbonyl/L-xylulose reductase, hydroxysteroid (17-beta) dehydrogenase 8, hypothetical protein BC014057, hypothetical protein FLJ14431, oxidoreductase UCPA			
312	883	AA851347	O, P		RIKEN cDNA 2010006G21 gene, RIKEN cDNA 2810425K19 gene, sorting nexin 5			
1496	16840	A1029733	Q, R		RIKEN cDNA 2010100O12 gene, chromosome 20 open reading frame 52			
3957	15637	NM_133599	XX		RIKEN cDNA 2200008F12 gene, expressed sequence A1324147, lectin, galactoside-binding, soluble, 2 (galectin 2)			
1175	24094	AA998435	XX		RIKEN cDNA 2210412K09 gene, hypothetical protein HSPC177			
3955	24352	NM_133589	L		RIKEN cDNA 2310003C10 gene, protein phosphatase 4, catalytic subunit, protein phosphatase 6, catalytic subunit			
1090	24233	AA964756	General Alternate		RIKEN cDNA 2310068O22 gene, calmodulin 1, calmodulin 2, calmodulin-like 3, centrin 1, centrin, EF-hand protein, 1, centrin, EF-hand protein, 2, expressed sequence A1327027, expressed sequence AL024000, troponin C, fast skeletal, troponin C2, fast			
428	16167	AA874941	C		RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein			

TABLE 3						Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
631	16168	AA893280	C		RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein		
1523	16169	A1030932	C		RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein		
2078	16170	A1170894	VV		RIKEN cDNA 2310076L09 gene, adipose differentiation related protein, adipose differentiation-related protein		
2287	13389	A1178104	KKK		RIKEN cDNA 2400009B11 gene, chromosome 11 open reading frame 13		
2154	15557	A1175019	R		RIKEN cDNA 2410001H17 gene, hypothetical protein FLJ21749		
					RIKEN cDNA 2410017117 gene, RIKEN cDNA 2410137M14 gene, RIKEN cDNA 5430410E06 gene, histocompatibility 2, blastocyst, histocompatibility 2, class II, locus Mb2, hypothetical protein DKFZp5471014, major histocompatibility complex, class II, DM beta		
2118	20783	A1171966	O, P, V, NN, OO		RIKEN cDNA 2410045I01 gene, SNRPN upstream reading frame, small nuclear ribonucleoprotein B, small nuclear ribonucleoprotein N, small nuclear ribonucleoprotein polypeptide N, small nuclear ribonucleoprotein polypeptides B and B1		
3009	1580	M29293	ZZ, AAA		RIKEN cDNA 2410072D24 gene, proteasome (prosome, macropain) subunit, alpha type 7, proteasome (prosome, macropain) subunit, alpha type, 7		
1137	3172	AA997406	AA				
3487	11039	NM_022543	G, General Alternate		RIKEN cDNA 2610001E17 gene, likely ortholog of mouse Urb, sushi-repeat protein		
3466	13479	NM_022390	III, JJJ, KKK		RIKEN cDNA 2610008L04 gene, quinoid dihydropteridine reductase		
			E, XX, YY, III, JJJ, General Alternate				
3466	13480	NM_022390	N, General Alternate		RIKEN cDNA 2610008L04 gene, quinoid dihydropteridine reductase		
3715	16257	NM_031975	N, General Alternate		RIKEN cDNA 2610009E16 gene, parathymosin, prothymosin alpha		
3715	17556	NM_031975	N, S, V		RIKEN cDNA 2610009E16 gene, parathymosin, prothymosin alpha		
1966	13157	A1138020	M		RIKEN cDNA 2610016A03 gene, polyamine N-acetyltransferase		
3883	15151	NM_057131	E		RIKEN cDNA 2610101M19 gene, phosphoribosyl pyrophosphate synthetase-associated protein 2		

TABLE 3							Attorney Docket 44921-5038-01WQ Document No. 1935823.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
410	4222	AA860024	KK		RIKEN cDNA 2610301D06 gene, eukaryotic translation elongation factor 1 gamma			
3206	14423	NM_013053	O, P		RIKEN cDNA 2700028P07 gene, tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide			
483	22858	AA891591	D		RIKEN cDNA 2810401C16 gene, programmed cell death 8 (apoptosis inducing factor), programmed cell death 8 (apoptosis-inducing factor)			
178	6236	AA818627	K, L, UU		RIKEN cDNA 2900053I11 gene, growth response protein (CL-6), insulin induced gene 1, insulin induced protein 2			
3346	16382	NM_017343	V		RIKEN cDNA 2900073G15 gene, myosin regulatory light chain			
79	2098	AA799995	Q, R, QQQ		RIKEN cDNA 3100001N19 gene, ribosomal protein L14			
2374	2099	AI180015	R		RIKEN cDNA 3100001N19 gene, ribosomal protein L14			
3524	18107	NM_022949	General Alternate		RIKEN cDNA 3100001N19 gene, ribosomal protein L14			
1649	900	AI059963	T		RIKEN cDNA 3110021P21 gene, expressed sequence A1314976, syntaxin binding protein 2, vacuolar protein sorting 33B (yeast)			
1031	23080	AA957423	General Alternate		RIKEN cDNA 3110041O18 gene, expressed sequence A1505894, lamin B receptor, transmembrane 7 superfamily member 2			
2862	1354	D38065	E, I, J, K, X, Y, TT, RRR, SSS, UUU		RIKEN cDNA 3200002I06 gene, dynein, cytoplasmic, intermediate chain 2, dynein, cytoplasmic, intermediate polypeptide 2, hypothetical protein MGC20486			
4259	768	X74549	General Alternate		RIKEN cDNA 4833409F13 gene, expressed sequence A1303446, serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1, serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2			
3931	20707	NM_131906	K, M, N, X, BB, CC, GG, TT, FFF, GGG, UUU, General Core Tox Markers		RIKEN cDNA 4921511I05 gene, RIKEN cDNA 4933404A18 gene, solute carrier family 21 (organic anion transporter), member 3, solute carrier family 21 (organic anion transporter), member 5			



TABLE 3							Attorney Docket 44921-5038-01W0 Document No. 1935823.1	
Seq ID	GLCC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
2879	1218	D89340	OO, General Alternate		RIKEN cDNA 4930533O14 gene, dipeptidylpeptidase III			
3984	23166	NM_138839	B, WW, General Alternate		RIKEN cDNA 4930579A11 gene, likely ortholog of rat vacuole membrane protein 1			
3765	5561	NM_053438	AA		RIKEN cDNA 5730408C10 gene, zinc finger protein 103, zinc finger protein 103 homolog (mouse)			
476	21951	AA891535	MM, ZZ, AAA, TTT		RIKEN cDNA 5730414C17 gene, hippocampus abundant gene transcript 1, hypothetical protein DKFZp564L0864 similar to HIAT1, hypothetical protein FLJ14753			
3885	8592	NM_057137	G, WW, General Alternate		RIKEN cDNA 5730442K12 gene, emopamil binding protein (sterol isomerase), emopamil binding related protein, delta8-delta7 sterol isomerase related protein, phenylalkylamine Ca2+ antagonist (emopamil) binding protein			
430	17303	AA874990	UU		RIKEN cDNA 6330407G11 gene, hypothetical protein FLJ10342			
3904	17662	NM_080697	GG		RIKEN cDNA 6720463E02 gene, dynein light chain 2			
3855	16553	NM_053961	I, J		RIKEN cDNA C030022K24 gene, chromosome 12 open reading frame 8, endoplasmic reticulum protein 29			
2938	23486	K02816	FF		RNA polymerase II transcriptional coactivator, activated RNA polymerase II transcription cofactor 4			
841	15319	AA943307	D		Rous sarcoma oncogene, v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)			
2818	14606	AI639342	WW		S164 protein			
1778	13261	AI101465	R		SEC24 related gene family, member B (S. cerevisiae)			
3912	6143	NM_080892	K, GG, HH, NN, OO		selenium binding protein 1, selenium binding protein 2			
485	22860	AA891681	N, MM, TTT		serine/threonine kinase receptor associated protein, unr-interacting protein			
1306	9150	AI009198	A, B, Q, R		serine/threonine kinase receptor associated protein, unr-interacting protein			
2432	21822	AI228642	D, BBB, CCC, RRR		seven transmembrane domain protein			



TABLE 3							Attorney Docket 44921-5038-01WO Document No. 1935828.1	
Seq ID	GLGC ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title			
1860	1440	AI104139	WW		SH2-B PH domain containing signaling mediator 1, SH2-B homolog, adaptor protein with pleckstrin homology and src, adaptor protein with pleckstrin homology and src homology 2 domains, src homology 2 domain-containing transforming protein C3			
4146	1439	U57391	WW		SH2-B PH domain containing signaling mediator 1, SH2-B homolog, adaptor protein with pleckstrin homology and src, adaptor protein with pleckstrin homology and src homology 2 domains, src homology 2 domain-containing transforming protein C3			
2129	7733	AI172086	O, P		SH3 domain binding glutamic acid-rich protein like 3, SH3 domain binding glutamic acid-rich protein-like 3			
2768	13513	AI237091	JJJ		sialyltransferase (N-acetylglucosaminide alpha 2,3-sialyltransferase), sialyltransferase 4C (beta-galactosidase alpha-2,3-sialyltransferase), sialyltransferase 6 (N-acetylglucosaminide alpha 2,3-sialyltransferase)			
881	21522	AA944449	EEE, MMM		signal recognition particle 68kD			
1854	6823	AI103793	EEE, MMM		signal sequence receptor, beta (translocon-associated protein beta)			
2628	7888	AI233583	FFF, GGG, PPP, General Core Tox Markers		similar to arginyl-tRNA synthetase			
4050	6365	NM_153628	OO		similar to signal peptidase complex (18kD)			
4050	6366	NM_153628	CC, LL, NN, OO		similar to signal peptidase complex (18kD)			
2147	11623	AI172471	N, XX, YY, PPP, QQQ		small EDRK-rich factor 2			
1121	2939	AA996885	BB, CC, UU, DDD		small inducible cytokine A19, small inducible cytokine subfamily A (Cys-Cys), member 19			
732	22578	AA924105	X, Y		small inducible cytokine A3, small inducible cytokine A6, small inducible cytokine A9, small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated, small inducible cytokine subfamily A, member 22			

TABLE 3 Sequence, Accession, and Model Codes for Human Homologous Sequence Cluster Title						
Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title	Attorney Docket 44921-5038-01WO Document No. 1935828.1
3010	17123	M29295	C, KK, FFF, GGG, HHH, General Alternate		small nuclear ribonucleoprotein B, small nuclear ribonucleoprotein polypeptides B and B1	
2357	12516	A1179651	UU		SMT3 suppressor of mif two 3 homolog 2 (yeast)	
328	6676	AA851967	C		solute carrier family 16 (monocarboxylic acid transporters), member 6	
1813	23538	A1102727	A, B, Q, R		solute carrier family 20 (phosphate transporter), member 1, solute carrier family 20 (phosphate transporter), member 2, solute carrier family 20, member 1, solute carrier family 20, member 2	
573	17468	AA892545	E, I, J, KKK, NNN, OOO		solute carrier family 22 (organic cation transporter), member 1-like	
3427	17340	NM_021594	E, BB, CC		solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1, solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 2, solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1, solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 2	
222	15117	AA819623	OO		sorting nexin 4	
427	15115	AA874928	V, W, BB, CC		sorting nexin 4	
427	15116	AA874928	NN, PP, QQ, ZZ, AAA		sorting nexin 4	
2761	11404	A1237002	H, Z, KK, FFF, GGG, General Core Tox Markers		spermidine synthase, spermine synthase	
3768	11403	NM_053464	H, FFF, General Core Tox Markers		spermidine synthase, spermine synthase	
1437	11191	A1013042	I, J, III, JJJ, KKK, General Alternate		sterol regulatory element binding transcription factor 1, sterol regulatory element binding transcription factor 2	

TABLE 3						Attorney Docket 44921-5038-01WO Document No. 1935823.1	
Seq ID	CLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title		
1432	11197	AI012937	UU		stomatin (EPB72)-like 2		
916	4207	AA945591	FF		stromal cell derived factor 2, stromal cell-derived factor 2-like 1		
3475	2384	NM_022513	X, Y		sulfoltransferase family 1B, member 1, sulfoltransferase family, cytosolic, 1B, member 1		
815	11691	AA926193	M, X, Y		sulfoltransferase family, cytosolic, 1C, member 1		
			X, III, JJJ, General Core Tox Markers				
1991	11693	AI168953			sulfoltransferase family, cytosolic, 1C, member 1		
2792	11692	AI638982	M		sulfoltransferase family, cytosolic, 1C, member 1		
1943	10754	AI137038	FF		suppressor of potassium transport defect 3, torsin family 1, member B, torsin family 1, member B (torsin B)		
71	1607	AA799879	C		synaptogyrin 1, synaptogyrin 3, synaptogyrin 4		
924	13751	AA945699	HH		synaptosomal-associated protein, 23kD		
3506	20509	NM_022689	VV		synaptosomal-associated protein, 23kD		
2130	6057	AI172102	E, DD, EE		syntaxin 18		
886	22457	AA944572	PPP, QQQ		TAF9-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31 kD		
1967	11588	AI138121	V, AA		testis expressed sequence 27		
3910	18902	NM_080887	A, B		thioredoxin-like (32kD), thioredoxin-like, 32kD		
2684	15004	AI235224	SS, EEE, III, JJJ, MMM		tissue inhibitor of metalloproteinase, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)		
3834	15002	NM_053819	UU, EEE, III, JJJ, MMM		tissue inhibitor of metalloproteinase, tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)		
285	16329	AA850542	JJ, KK, FFF		TNF receptor-associated factor 4, Tnf receptor associated factor 4		
2468	17245	AI229630	T		TRAM-like protein, translocating chain-associating membrane protein		
3692	16039	NM_031811	J, FF		transaldolase 1		
3480	7505	NM_022534	N		transcobalamin 2, transcobalamin II; macrocytic anemia		
161	3709	AA818192	UU		transcriptional adaptor 3-like		
2593	12463	AI232706	L, PP		translin-associated factor X		

TABLE 3

Attorney Docket 44921-5038-01WO  
Document No. 1935328.1

Seq ID	CLCG ID No.	Genbank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
553	17405	AA892313	G, H		tubulin-specific chaperone e
2108	18994	A171759	BB, CC		tubulin-specific chaperone e
117	9092	AA800814	Z, AA		tumor necrosis factor (ligand) superfamily, member 13
487	9091	AA891690	VV		tumor necrosis factor (ligand) superfamily, member 13
3216	1521	NM_013091	C, E, Q, R, General Alternate		tumor necrosis factor receptor superfamily, member 12, tumor necrosis factor receptor superfamily, member 12 (translocating chain-association membrane protein), tumor necrosis factor receptor superfamily, member 1A, tumor necrosis factor receptor superfamily, member 1a, tumor necrosis factor receptor superfamily, member 22, tumor necrosis factor receptor superfamily, member 23
2016	15286	A1169361	UUU		U1 small nuclear ribonucleoprotein 1C, small nuclear ribonucleoprotein polypeptide C
1009	23762	AA956431	OO, PP, QQ		U6 snRNA-associated Sm-like protein
1062	2588	AA964080	UUU		U6 snRNA-associated SM-like protein 4, U6 snRNA-associated Sm-like protein
1264	17359	A1007981	GG		ubiquinol-cytochrome c reductase complex (7.2 kD)
1918	2501	A112343	Q, R		ubiquitin fusion degradation 1 like, ubiquitin fusion degradation 1-like
3917	18027	NM_130407	K, GG, HH		UDP glucosyltransferase 1 family, polypeptide A8
2536	13469	A1231479	W		UDP-glucose ceramide glucosyltransferase
3625	18597	NM_031325	E, S, WW, DDD		UDP-glucose dehydrogenase
537	15576	AA892132	DDD		uncharacterized hematopoietic stem/progenitor cells protein MDS032
2325	5887	A1179099	U, XX, BBB		vanin 1
3778	16125	NM_053514	PP, WW, DDD, General Alternate		Vertebrate LIN7 homolog 1, Tax interaction protein 33, vertebrate homolog of C. elegans Lin-7 type 3
3987	4593	NM_138881	W		vipirin, viral hemorrhagic septicemia virus(VHSV) induced gene 1
3987	4594	NM_138881	W		vipirin, viral hemorrhagic septicemia virus(VHSV) induced gene 1
3632	18539	NM_031353	KK		voltage-dependent anion channel 1
3436	17885	NM_021765	X, Y, SS		WD repeat domain 1, coatomer protein complex, subunit alpha, coatomer protein complex, subunit beta 2 (beta prime), expressed sequence A1256832
1260	3148	A1007881	B		x 003 protein

**TABLE 3** Attorney Docket 44921-5033-01WO  
Document No. 1935828.1

Seq ID	GLCG ID No.	GenBank Acc or RefSeq ID	Model Code	Human Homologous Known Gene Name	Human Homologous Sequence Cluster Title
2712	3617	AI236021	DD		X-box binding protein 1
3888	12331	NM_057155	A, B, General Core Tox Markers		X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound, membrane-bound aminopeptidase P
3888	12332	NM_057155	General Core Tox Markers		X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound, membrane-bound aminopeptidase P
1259	4032	AI007875	Z, AA		X-ray repair complementing defective repair in Chinese hamster cells 1
1637	6906	AI059403	DDD		YY1 associated factor 2
2098	16102	AI171586	G, H		zinc finger protein 259
1200	1201	AB000929	D		zona pellucida glycoprotein 2, zona pellucida glycoprotein 2 (sperm receptor)
2492	14662	AI230413	Z, AA		ZW10 homolog (Drosophila), centromere/kinetochore protein, ZW10 homolog, centromere/kinetochore protein (Drosophila)
4033	6824	NM_147138	G, H, X, Y, GGG, HHH, LLL, SSS, UUU, General Core Tox Markers		ZW10 interactor

TABLE 4: MODEL CODES			Attorney Docket 44921-5093-01-WO Document No. 1935823.1	
Model	Model Type	Timepoint (hrs)	Model Mode	Model Code
ANIT	Single Compound	24,48	Core Tox Markers	A
ANIT	Single Compound	24,48	Alternate	B
2-A35AAF	Single Compound	6	Core Tox Markers	C
ACYCLOVIR	Single Compound	24,168	Core Tox Markers	D
ACYCLOVIR	Single Compound	6	Core Tox Markers	E
2-AAF	Single Compound	24,48	Core Tox Markers	F
APAP	Single Compound	24	Core Tox Markers	G
APAP	Single Compound	24	Alternate	H
APAP	Single Compound	3,6	Core Tox Markers	I
APAP	Single Compound	3,6	Alternate	J
AY-25329	Single Compound	24	Core Tox Markers	K
AY-25329	Single Compound	6	Core Tox Markers	L
BI-Liver Toxin	Single Compound	168,336	Core Tox Markers	M
BICALUTAMIDE	Single Compound	6,24,168	Core Tox Markers	N
CCL4	Single Compound	24,48	Core Tox Markers	O
CCL4	Single Compound	24,48	Alternate	P
CCL4	Single Compound	3,6	Core Tox Markers	Q
CCL4	Single Compound	3,6	Alternate	R
Chloroform	Single Compound	6,24	Core Tox Markers	S
CI-1000	Single Compound	6	Core Tox Markers	T
CLOFIBRATE	Single Compound	24,72	Core Tox Markers	U
Colchicine	Single Compound	24,48	Core Tox Markers	V
Colchicine	Single Compound	6	Core Tox Markers	W
CPA	Single Compound	24,120	Core Tox Markers	X
CPA	Single Compound	24,120	Alternate	Y
CPA	Single Compound	6	Core Tox Markers	Z
CPA	Single Compound	6	Alternate	AA
DICLOFENAC	Single Compound	24	Core Tox Markers	BB
DICLOFENAC	Single Compound	24	Alternate	CC

**TABLE 4: MODEL CODES** Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

Model	Model Type	Timepoint (hrs)	Model Mode	Model Code
DICLOFENAC	Single Compound	3,6	Core Tox Markers	DD
DICLOFENAC	Single Compound	3,6	Alternate	EE
DIFLUNISAL	Single Compound	24	Core Tox Markers	FF
DIOXIN	Single Compound	168	Core Tox Markers	GG
DIOXIN	Single Compound	6,24	Core Tox Markers	HH
DMN	Single Compound	6,24	Core Tox Markers	II
ESTRADIOL	Single Compound	24,240	Core Tox Markers	JJ
ESTRADIOL	Single Compound	24,240	Alternate	KK
Gemfibrozil	Single Compound	24,168	Core Tox Markers	LL
HYDRAZINE	Single Compound	3,6,24	Core Tox Markers	MM
INDOMETHACIN	Single Compound	48,72	Core Tox Markers	NN
INDOMETHACIN	Single Compound	48,72	Alternate	OO
INDOMETHACIN	Single Compound	6,24	Core Tox Markers	PP
INDOMETHACIN	Single Compound	6,24	Alternate	QQ
Menadione	Single Compound	24	Core Tox Markers	RR
Menadione	Single Compound	3,6	Core Tox Markers	SS
PHENOBARBITAL	Single Compound	24,48	Core Tox Markers	TT
TACRINE	Single Compound	6	Core Tox Markers	UU
Thioacetamide	Single Compound	24,48	Core Tox Markers	VV
Thioacetamide	Single Compound	6	Core Tox Markers	WW
VALPROATE	Single Compound	24,96	Core Tox Markers	XX
VALPROATE	Single Compound	24,96	Alternate	YY
VALPROATE	Single Compound	6	Core Tox Markers	ZZ
VALPROATE	Single Compound	6	Alternate	AAA
WY-14643	Single Compound	24,168	Core Tox Markers	BBB
WY-14643	Single Compound	24,168	Alternate	CCC
ZILEUTON	Single Compound	24,336	Core Tox Markers	DDD
LPS	Single Compound	24	Core Tox Markers	EEE
Carcinogen - Genotoxic	Multiple Compound	Various	Core Tox Markers	FFF



TABLE 4: MODEL CODES

Attorney Docket 44921-5033-01-WO  
Document No. 1935828.1

Model	Model Type	Timepoint (hrs)	Model Mode	Model Code
Carcinogen - Non-Genotoxic	Multiple Compound	Various	Core Tox Markers	GGG
Cholestasis	Multiple Compound	Various	Core Tox Markers	HHH
Hepatitis	Multiple Compound	Various	Core Tox Markers	III
Hepatitis	Multiple Compound	Various	Alternate	JJJ
Human-specific	Multiple Compound	Various	Core Tox Markers	KKK
Inducer and Liver Enlargement	Multiple Compound	Various	Core Tox Markers	LLL
Inflammation	Multiple Compound	Various	Core Tox Markers	MMM
Mixed Phenotype	Multiple Compound	Various	Core Tox Markers	NNN
Necrosis	Multiple Compound	Various	Core Tox Markers	OOO
Necrosis and Steatosis	Multiple Compound	Various	Core Tox Markers	PPP
Necrosis and Steatosis	Multiple Compound	Various	Alternate	QQQ
Peroxisome Proliferator	Multiple Compound	Various	Core Tox Markers	RRR
Rat-specific Carcinogen - Non-Genotoxic	Multiple Compound	Various	Core Tox Markers	SSS
Steatosis	Multiple Compound	Various	Core Tox Markers	TTT
Rat-specific	Multiple Compound	Various	Core Tox Markers	UUU
Cross-species	General Hepatotoxicity	Various	Core Tox Markers	General Core Tox Markers
Cross-species	General Hepatotoxicity	Various	Alternate	General Alternate

TABLE 5A: ANIT					
Timepoint(s): 24, 48 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935323.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24237	98.99	552.75	59.09	186.2	105.76
2459	98.73	86.15	11.04	27.11	44.18
20529	98.59	486.13	85.72	130.35	190.47
12577	98.3	490.32	59.77	157.12	145.11
488	98.27	370.49	140.66	146.73	741.39
5046	98.19	230.1	39.55	76.86	40.81
9583	98.19	454.49	193.13	59.72	95.87
25052	98.17	163.78	79.47	33.34	140.24
9757	97.77	537.15	109.35	281.58	67.48
1501	97.77	1234.63	180.75	498.76	246.64
23521	97.48	617.74	133.41	191.96	140.78
22487	97.45	191.47	42.85	64.92	35.49
25747	97.45	1202.81	298.18	422.44	227.36
24453	97.4	351.02	97.96	89.23	52.72
5466	97.27	248.92	71.12	108.93	35.96
21318	97.21	104.83	14.8	34.41	43.77
13088	97.19	205.31	85.24	1280.74	435.78
23869	97.13	231.38	63.79	64.48	132.42
8584	97.11	359.89	91.62	1402.68	635.33
8344	96.92	1258.6	166.95	510.74	277.15
14153	96.84	109.43	20.3	41.89	63.65
1902	96.84	71.19	9.08	226.69	107.25
2319	96.73	196.38	32.42	539.12	174.84
23445	96.63	24.86	11.25	236.59	130.44
25689	96.6	1482.26	155.11	844.82	394.8
5934	96.55	41.26	24.27	369.78	165.15
2809	96.44	71.08	11.1	27.79	23.85
3244	96.44	33	5.11	70.94	20.9
23538	96.1	219.13	87.76	99.68	108.01
17540	96.1	1323.16	194.28	663.01	265.99
25024	96.04	646.27	86.64	1410.77	553.78
23872	95.83	221.05	100.17	74.03	154.93
2441	95.83	171.72	25.98	87.3	34.5
2802	95.8	745.44	99.02	356.61	137.25
17664	95.75	641.23	161	279.44	160.86
3916	95.72	797.88	120.65	1542.05	408.94
12542	95.72	214.11	23.56	439.06	150.01
3665	95.72	400.05	57.65	198.35	75.55
3773	95.62	200.17	65.16	67.4	60.57
17334	95.59	332.24	37.36	176.57	86.55
6017	95.59	54.76	35.28	784.95	505.02
22501	95.54	225.58	26.36	143.61	50.69
22582	95.54	176.7	33.43	438.83	142.19
21572	95.41	592.87	73.06	337.66	111.64
14560	95.35	190.26	36.32	114.14	52.18
21993	95.17	99.9	21.8	57.41	36.32
16321	95.06	213.4	20.56	128.1	42.4
1409	95.01	205.01	39.55	411.9	113.42
20983	94.95	440.59	131.05	1000.31	290.66
6613	94.93	364.29	63.25	720.1	228.95
62	94.82	50.4	14.44	118.79	37.33

**TABLE 5A: ANIT** Attorney Docket 44921-5038-01-WO  
 Timepoint(s): 24, 48 hrs Document No. 1935828.1

GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12331	94.77	96.21	34.92	329.07	129.02
20891	94.77	222.12	39.38	105.73	53.58
2569	94.72	283.21	98.85	910.74	287.92
18902	94.69	348.23	36.04	207.64	68.65
10363	94.66	125.62	16.92	223.36	61.18
22413	94.64	1042.17	247.16	426.57	245.01
1246	94.64	21.33	9.13	78.41	30.25
8549	94.61	249.65	51.25	663.93	226.14
19712	94.56	58.27	14.39	140.93	49.49
6585	94.56	148.05	59.78	56.41	73.31
15372	94.53	298.67	45.21	182.61	54.97
25567	94.5	287.31	67.85	144.5	141.52
9150	94.48	765.05	74.86	542.38	139.66
6072	94.34	1123.87	157.59	1865.56	459.23
17507	94.34	653.29	69.84	426.71	114.42
9842	94.32	932.29	145.79	1605.99	413.18
19363	94.24	335.33	156.81	1903.78	901.87
3191	94.21	460.97	69.65	288.06	117.53
2799	94.21	124.02	33.41	493.85	224.72
20299	94.18	275.82	63.75	727.54	248.68
18315	94.08	111.16	28.31	46.38	38.06
6015	94.05	838.88	114.92	1508.71	396.35
9191	94.03	199.23	77.83	693.81	285.32
22005	94.03	166.87	42.15	71.94	46.17
11608	94	42.31	7.96	20.84	11.8
20502	93.97	1646.55	356.92	3230.99	912.05
7697	93.95	191.93	44.06	452.46	149.81
1562	93.89	472.76	94.52	883.41	225.53
9029	93.81	626.36	94.46	378.51	189.03
5899	93.76	640.44	154.51	1218.47	346.05
6403	93.76	112.12	25.49	59.08	28.84
16883	93.68	1388.39	131.94	2056.29	532.88
25479	93.6	870.55	66.41	1191.63	285.25
16993	93.57	548.16	138.45	1060.21	295.06
13294	93.55	547.53	69.75	347.35	106.73
1447	93.49	346.96	28.7	240.68	59.95
3755	93.47	261.07	39.71	146.88	162.03
15028	93.44	1069.77	84.48	1751.57	516.3
9016	93.31	1162.4	234.21	2638.32	991.62
22234	93.31	71.97	17.32	178.27	75.7
17688	93.31	96.81	18.02	55.85	29.66
15551	93.28	234.44	17.57	327.59	67.42
16625	93.28	498.4	50.08	345.84	83.51
16370	93.18	104.88	40.52	308.46	129.52
10310	93.18	406.77	47.19	264.53	84.75
15042	93.17	284.8	88.21	33.91	59.77
11164	93.15	222.25	38.73	500.62	201.04
4914	93.12	242.21	59.13	481.7	150.93
548	92.96	81.78	39.86	400.34	222.78
20350	92.96	137.74	20.15	236.93	65.42
1475	92.88	193.91	103.16	83.12	266.04

TABLE 5A: ANIT					
Timepoint(s): 24, 48 hrs					
GLGC					
Identifler	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4234	92.75	800.15	73.28	615.39	299.27
22513	92.69	1097.94	598.31	33.48	789.66
16592	92.56	214.08	88.03	58.71	22.56
851	92.54	267.66	40.6	437.35	105.76
13283	92.51	411.12	138.92	901.88	273.11
18393	92.43	174.49	24.11	110.39	35.54
10887	92.41	51.42	15.37	106.27	32.78
134	92.35	42.57	17.12	118.45	52.1
20056	92.35	56.21	14.55	109.74	33.89
18687	92.06	1004.3	203.75	660.4	590.49
10016	91.95	234.95	78.24	91.81	48.08
16726	91.85	464.14	97.03	793.26	196.5
1279	91.84	100.52	31.11	42.37	17.18
20849	91.79	290.11	72.21	137.48	46.69
20848	91.68	549.32	149.49	258.15	85.41
11635	91.64	164.73	26.59	292.15	88.4
4242	91.58	168.33	87.42	519.88	210.91
24771	91.56	726.52	109.21	1109.16	317.35
11940	91.53	53.34	7.14	34.25	13.02
1221	91.47	238.01	111.68	32.15	122.25
15301	91.47	122.31	39.53	25.52	129.2
20741	91.36	120.33	40.28	21.7	29.48
19073	91.36	463.97	92.72	247.43	62.06
17894	91.28	100.57	22.68	47.05	20.73
17590	91.26	246.76	80.2	105.69	45.59
23522	91.2	131.04	23.29	58.41	35.67
24810	91.18	81.64	54.19	418.44	149.94
16364	91.18	56.87	26.35	179.75	88.24
25055	90.87	525.23	275.37	240.95	544.68
8317	90.87	346.03	65.34	636.76	222.22
14016	90.86	160.55	32.68	83.49	24.91
15141	90.81	224.67	32.54	145.63	47.8
23895	90.81	122.62	29.34	57.38	19.8
11849	90.71	921.51	68.21	746.33	165.53
18573	90.68	180.81	15.83	133	34
3853	90.57	26.76	7.21	52.95	20.3
15175	90.52	163.6	14.59	232.32	67.52
20862	90.49	128.2	36.88	273.07	97.03
16457	90.47	258.16	38.97	168.5	78.82
16681	90.46	448.3	120	137.14	101.66
25084	90.39	72.69	19.58	141.28	54.47
14017	90.38	156.42	54.15	71.98	28.9
573	90.31	437.54	98.96	895.06	345.38
20914	90.28	699.87	187.45	234.22	310.14
21693	90.15	603.17	91.99	882.78	201.72
20772	90.14	105.17	30.65	53.17	24.79
18675	90.12	454.84	42.72	801.32	503.38
20986	90.1	119.18	41.95	339.57	171.45
24811	90.09	578.74	275.87	1508.7	454.28
19824	89.99	140.97	49.64	374.3	163.61
18316	89.96	214.28	53.79	73.62	59.85

TABLE 5A: ANIT			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
25467	89.94	111.59	66.67	368.48	173.35
3404	89.85	203.83	33.04	126.96	43.38
24767	89.85	250.13	58.48	113.77	45.71
18727	89.8	984.02	129.49	762.82	383.67
3424	89.8	54.38	8.67	34.22	15.48
4450	89.78	105.92	32.55	197.38	61.02
14959	89.78	701.59	85.62	537.61	175.22
23868	89.77	831.02	335.24	233.04	687.83

TABLE 5B: ANIT					
Timepoint(s): 24, 48 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935823.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2459	98.73	86.15	11.04	27.11	44.18
9583	98.19	454.49	193.13	59.72	95.87
5046	98.19	230.1	39.55	76.86	40.81
9757	97.77	537.15	109.35	281.58	67.48
23521	97.48	617.74	133.41	191.96	140.78
5466	97.27	248.92	71.12	108.93	35.96
21318	97.21	104.83	14.8	34.41	43.77
8584	97.11	359.89	91.62	1402.68	635.33
8344	96.92	1258.6	166.95	510.74	277.15
1902	96.84	71.19	9.08	226.69	107.25
14153	96.84	109.43	20.3	41.89	63.65
2319	96.73	196.38	32.42	539.12	174.84
25689	96.6	1482.26	155.11	844.82	394.8
3244	96.44	33	5.11	70.94	20.9
2809	96.44	71.08	11.1	27.79	23.85
17540	96.1	1323.16	194.28	663.01	265.99
23538	96.1	219.13	87.76	99.68	108.01
2441	95.83	171.72	25.98	87.3	34.5
17664	95.75	641.23	161	279.44	160.86
3665	95.72	400.05	57.65	198.35	75.55
12542	95.72	214.11	23.56	439.06	150.01
3773	95.62	200.17	65.16	67.4	60.57
6017	95.59	54.76	35.28	784.95	505.02
17334	95.59	332.24	37.36	176.57	86.55
22582	95.54	176.7	33.43	438.83	142.19
22501	95.54	225.58	26.36	143.61	50.69
21572	95.41	592.87	73.06	337.66	111.64
14560	95.35	190.26	36.32	114.14	52.18
21993	95.17	99.9	21.8	57.41	36.32
16321	95.06	213.4	20.56	128.1	42.4
1409	95.01	205.01	39.55	411.9	113.42
62	94.82	50.4	14.44	118.79	37.33
20891	94.77	222.12	39.38	105.73	53.58
12331	94.77	96.21	34.92	329.07	129.02
18902	94.69	348.23	36.04	207.64	68.65
10363	94.66	125.62	16.92	223.36	61.18
1246	94.64	21.33	9.13	78.41	30.25
22413	94.64	1042.17	247.16	426.57	245.01
19712	94.56	58.27	14.39	140.93	49.49
15372	94.53	298.67	45.21	182.61	54.97
25567	94.5	287.31	67.85	144.5	141.52
9150	94.48	765.05	74.86	542.38	139.66
17507	94.34	653.29	69.84	426.71	114.42
9842	94.32	932.29	145.79	1605.99	413.18
2799	94.21	124.02	33.41	493.85	224.72
3191	94.21	460.97	69.65	288.06	117.53
20299	94.18	275.82	63.75	727.54	248.68
18315	94.08	111.16	28.31	46.38	38.06
6015	94.05	838.88	114.92	1508.71	396.35
22005	94.03	166.87	42.15	71.94	46.17
9191	94.03	199.23	77.83	693.81	285.32

TABLE 5B: ANIT					
Timepoint(s): 24, 48 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935823.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
7697	93.95	191.93	44.06	452.46	149.81
9029	93.81	626.36	94.46	378.51	189.03
6403	93.76	112.12	25.49	59.08	28.84
16883	93.68	1388.39	131.94	2056.29	532.88
25479	93.6	870.55	66.41	1191.63	285.25
16993	93.57	548.16	138.45	1060.21	295.06
13294	93.55	547.53	69.75	347.35	106.73
3755	93.47	261.07	39.71	146.88	162.03
15028	93.44	1069.77	84.48	1751.57	516.3
17688	93.31	96.81	18.02	55.85	29.66
22234	93.31	71.97	17.32	178.27	75.7
9016	93.31	1162.4	234.21	2638.32	991.62
16625	93.28	498.4	50.08	345.84	83.51
15551	93.28	234.44	17.57	327.59	67.42
10310	93.18	406.77	47.19	264.53	84.75
16370	93.18	104.88	40.52	308.46	129.52
15042	93.17	284.8	88.21	33.91	59.77
11164	93.15	222.25	38.73	500.62	201.04
4914	93.12	242.21	59.13	481.7	150.93
20350	92.96	137.74	20.15	236.93	65.42
548	92.96	81.78	39.86	400.34	222.78
1475	92.88	193.91	103.16	83.12	266.04
3899	92.83	96.32	41.91	21.95	44.01
4234	92.75	800.15	73.28	615.39	299.27
1903	92.72	56.39	19.03	147.88	56.04
8490	92.72	119.85	32.93	278.97	111.07
4330	92.59	755.24	183.96	1521.88	457.64
4444	92.59	129.39	56.52	619.81	352.4
23626	92.57	250.14	42.6	140.14	88.8
16592	92.56	214.08	88.03	58.71	22.56
851	92.54	267.66	40.6	437.35	105.76
6016	92.54	1064.87	222.3	2103.57	767.23
13283	92.51	411.12	138.92	901.88	273.11
22709	92.51	189.43	17	130.59	38.72
18393	92.43	174.49	24.11	110.39	35.54
3148	92.43	159.76	26.32	96.93	37.58
10887	92.41	51.42	15.37	106.27	32.78
20056	92.35	56.21	14.55	109.74	33.89
134	92.35	42.57	17.12	118.45	52.1
15090	92.17	102.81	11.53	70.7	24.33
18687	92.06	1004.3	203.75	660.4	590.49
22929	91.95	30.04	141.03	1245.69	785.33
21185	91.95	102.23	10.79	185.01	74.91
22681	91.95	595.67	194.19	156.78	360.23
20503	91.93	339.6	142.1	908.86	344.4
22746	91.87	716.93	339.36	275.94	128.02
16726	91.85	464.14	97.03	793.26	196.5
18239	91.76	151.7	46.38	30.76	27.09
21135	91.74	542.76	101.64	261.69	84.73
20848	91.68	549.32	149.49	258.15	85.41
11635	91.64	164.73	26.59	292.15	88.4



TABLE 5B: ANIT					
Timepoint(s): 24, 48 hrs					
GLSC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4242	91.58	168.33	87.42	519.88	210.91
24771	91.56	726.52	109.21	1109.16	317.35
15301	91.47	122.31	39.53	25.52	129.2
16364	91.18	56.87	26.35	179.75	88.24
25055	90.87	525.23	275.37	240.95	544.68
8317	90.87	346.03	65.34	636.76	222.22
23895	90.81	122.62	29.34	57.38	19.8
11849	90.71	921.51	68.21	746.33	165.53
18573	90.68	180.81	15.83	133	34
3853	90.57	26.76	7.21	52.95	20.3
15175	90.52	163.6	14.59	232.32	67.52
20862	90.49	128.2	36.88	273.07	97.03
16457	90.47	258.16	38.97	168.5	78.82
16681	90.46	448.3	120	137.14	101.66
25084	90.39	72.69	19.58	141.28	54.47
573	90.31	437.54	98.96	895.06	345.38
20914	90.28	699.87	187.45	234.22	310.14
21693	90.15	603.17	91.99	882.78	201.72
18675	90.12	454.84	42.72	801.32	503.38
20986	90.1	119.18	41.95	339.57	171.45
24811	90.09	578.74	275.87	1508.7	454.28
19824	89.99	140.97	49.64	374.3	163.61
18316	89.96	214.28	53.79	73.62	59.85
25467	89.94	111.59	66.67	368.48	173.35
3404	89.85	203.83	33.04	126.96	43.38
24767	89.85	250.13	58.48	113.77	45.71
18727	89.8	984.02	129.49	762.82	383.67
3424	89.8	54.38	8.67	34.22	15.48
4450	89.78	105.92	32.55	197.38	61.02
14959	89.78	701.59	85.62	537.61	175.22
10015	89.69	237	51.83	138.38	51.63
8984	89.59	256.58	34.93	180.31	59.1
794	89.53	316.9	115.66	804.35	226.8
135	89.51	151.91	51.95	307.31	109.91
25253	89.35	439.15	56.73	318.54	103.02
2853	89.29	104.78	44.91	57.6	45.88
16809	89.29	70.8	29.74	29.65	25.74
8427	89.11	87.45	26.35	32.28	25.18
10886	89.08	462.77	93.13	979.14	410.34
3202	89	407.43	102.77	231.19	103.1
16081	88.95	255.15	102.05	127.99	198.1
23166	88.92	334.4	89.15	175.55	67.66
22196	88.92	101.03	18.56	47.81	31.85
1058	88.89	586.8	143.21	229.69	139.9
4360	88.87	156.91	28.72	264.82	129.03
23523	88.84	376.63	90.88	197.68	97.87
2505	88.79	384.65	80.74	754.79	191.47
23987	88.76	310.12	73.59	169.54	68.61
17401	88.74	136.51	57.64	434.54	217.31
23417	88.68	366.68	46.07	229.37	72.26
15925	88.64	230.14	21.75	360.92	152.39

TABLE 5B: ANIT					
Timepoint(s): 24, 48 hrs.					
Attorney Docket 44921-5033-01-WO					
Document No. 1935823.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
820	88.5	1406.57	132.95	2101.86	665.57
13647	88.47	1553.38	170.97	1019.81	337.66
811	88.31	404.42	69.59	677.51	148.23
17613	88.23	489.47	69.01	306.16	126.07
18686	88.18	1174.3	178.47	705.85	614.14
21066	88.12	90.2	8.32	59.32	19.24
12087	88	689.77	141.68	1028.9	314.22
24219	88	519.04	78.12	380.22	189.11
19825	88	137.46	61.65	356.04	162.35
10509	87.99	24.56	33.79	139.01	53.7
9621	87.84	356.7	47.85	281.34	81.86
24597	87.83	433.97	80.84	254.9	98.22

TABLE 5C: F2-A35AAF			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17361	99.76	465.4	15.85	70.5	56.92
6633	99.63	2721.9	145.79	1244.27	324.35
3431	99.58	2282.03	95.33	1041.4	307.24
2354	99.55	2473.4	243.84	814.61	278.23
18783	99.52	969.76	52.82	389.14	111.25
9674	99.47	2964.53	388.34	318.36	283.69
11314	99.42	210.81	10.74	98.76	30.4
488	99.42	6027.7	561.1	132.21	675.47
7642	99.39	25.24	7.36	122.71	35.14
489	99.39	3010.61	579.81	28.39	314.03
14915	99.34	364.58	11.61	651.15	127.71
576	99.31	13467.46	957.77	5036.89	2288.1
22308	99.31	1797.84	75.16	836.54	291.67
21838	99.31	530.29	32.3	144.89	65.27
15644	99.31	3282.22	154.8	1365.06	377.51
402	99.28	3479.28	356.12	1200.88	402.49
12371	99.21	820.55	39.84	436.85	103.6
20703	99.21	2097.24	218.18	445.61	475.54
21568	99.18	387.2	59.93	66.66	49.26
16168	99.18	2842.14	391.1	843.91	334.23
4731	99.18	630.63	83.09	53.16	72.49
6988	99.18	1859.96	133.03	418.38	358.76
15189	99.15	9040.72	797.65	1642.76	1621.76
5074	99.1	680.56	105.88	159.37	81.21
22733	99.07	131.62	29.56	26.25	19.84
24251	99.07	774.57	183.14	89.9	136.32
19094	99.07	1509.53	97.37	671.61	213.71
24693	99.05	3440.67	383.03	1339.56	405.81
23448	99.02	5041.09	606.79	1080.14	841.22
21097	99.02	3471.1	596.73	917.65	369.32
22906	99.02	3043.86	262.05	555.72	407.05
12119	98.99	453.96	53.75	139.38	67.46
21192	98.97	244.01	37.63	54.97	44.13
13619	98.97	582.87	212.66	78.86	65.87
16945	98.97	1142.64	44.73	719.51	140.06
21098	98.97	4149.17	792.71	1142.94	519.04
15577	98.94	4922.47	465.18	1894.34	655.5
13772	98.94	1933.6	166.88	949.45	272.76
21407	98.91	167.81	19.34	50.91	27.83
3427	98.89	295.17	46.28	79.31	39.52
22677	98.83	499.84	129.52	120.8	70.88
14353	98.83	108.46	5.03	37.15	21.44
23606	98.83	1758.71	232.19	403.13	213.74
14842	98.81	297.77	31.44	121.4	53.68
10359	98.81	85.15	11.31	23.57	16.94
6676	98.81	355.86	72.96	84.16	43.34
23608	98.81	1435.68	201.61	396.94	181.58
13369	98.78	343.65	35.87	165.97	41.62
24825	98.78	2506.93	234.79	893.47	382.59
23388	98.75	345.34	34.6	147.93	102
1391	98.75	39.18	3.43	98.01	30.27

TABLE 5C: F2-A35AAF					
Timepoint(s): 6 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
13762	98.75	46.33	5.65	154.4	52.08
5091	98.75	74.76	6.03	271.64	116.81
20705	98.75	4600	601.85	1018.01	931.47
2096	98.73	2945.68	151.15	1579.06	371.09
8661	98.7	60.27	12.18	26.82	156.84
2924	98.7	979.5	29.63	573.16	160.03
17847	98.7	389.19	18.95	706.23	149.21
7299	98.7	569.47	58.14	88.6	155.66
18661	98.7	240.96	20.9	552.56	138.79
5953	98.7	1771.96	340.39	182.86	214.68
3428	98.68	316.29	49.64	91.5	54.81
16739	98.65	1223.81	120.04	673.83	160.03
4801	98.65	138.57	11.15	258.17	56.04
2559	98.65	204.94	10.74	104.41	38.17
19171	98.62	29.65	6.81	72.6	15.9
18961	98.62	170.77	47.99	485.94	123.07
23449	98.62	4262.69	829.5	841.9	682.13
6765	98.6	51.84	15.13	173.97	64.77
3429	98.6	863.81	198.42	238.2	85.75
9424	98.6	2788.81	418.61	1009.35	372.41
4703	98.6	1936.47	392.17	419.4	227.09
17844	98.57	583.08	60.85	182.1	91.47
3082	98.57	647.21	66.36	259.22	93.3
16489	98.54	372.88	21.58	197.44	108.77
16169	98.54	3708.34	694.46	912.51	586.83
20704	98.54	4377.39	436.37	1296.37	834.9
22862	98.52	155.48	19.85	455.11	165.39
3430	98.49	905.4	174.49	234.71	133.32
3764	98.46	78.81	9.84	169.44	45.64
18640	98.46	73.66	8.18	159.23	38.16
22948	98.46	698.06	61.97	253.14	129.78
1995	98.46	4450.02	191.09	1930.89	961.9
18986	98.44	120.7	6.34	58.76	24.88
23230	98.41	129.99	15.49	301.95	104.95
22840	98.41	2150.77	371.94	873.56	255.44
22995	98.41	108.04	24.68	770.22	484.94
16112	98.38	100.66	14.65	30.7	29.19
15885	98.38	181.75	9.08	98.99	31.09
25567	98.38	800.34	158.53	143.45	137.51
12306	98.36	3670.28	606.61	1139.76	514.14
15191	98.36	6104.45	714.18	1208.94	1310.23
11726	98.33	910.25	144.38	136.53	177.2
6891	98.3	257.9	22.2	544.55	219.8
13222	98.3	467.46	82.02	244.45	49.58
23555	98.28	104.81	11.51	29.18	31.84
22204	98.28	381.62	78.35	105.88	93.58
2905	98.28	98.4	39.13	498.34	189.96
13462	98.25	108.27	5.23	60.47	26.98
2331	98.25	2057.48	601.45	247.98	255.46
19103	98.22	401.31	12.9	745.27	234.46
353	98.2	330	73.87	59.44	123.05

TABLE 5C: F2-A35AAF Timepoint(s): 6 hrs GLC/G					
Attorney Docket 44921-5038-01-WO Document No. 1935828.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
9254	98.07	76.91	12.28	183.99	48.15
355	98.04	191.66	29.67	64.68	37.89
8641	98.01	599.23	44.21	221.07	143.09
25284	97.88	106.74	33.48	36.04	36.55
15190	97.88	8422.33	1226.76	1823.47	1684.19
24204	97.75	147.09	19.64	71.88	19.82
354	97.59	377.35	126.64	81.44	151.82
15462	97.59	365.31	12.52	545.84	120.22
11611	97.54	85.4	3.78	151.89	45.52
1920	97.54	1321.53	174.27	439.98	267.69
21707	97.54	330.22	116.74	40.53	50.49
15642	97.48	789.63	109.72	375.46	159.27
351	97.46	123.9	50.73	21.95	52.72
21063	97.43	108.69	12.97	45.97	23.01
24284	97.43	89.1	22.22	30.54	16.02
16167	97.35	56.24	14.28	20.57	10.19
20826	97.35	95.36	11.37	220.81	69.9
15755	97.32	400.8	35.16	741.3	180.52
16450	97.32	127.65	5.05	249.03	92.1
14956	97.24	156.58	22.76	67.47	29.39
20744	97.22	1465.02	266.9	345.62	298.71
23321	97.11	154.57	8.99	238.22	65.16
2480	97.01	132.09	6.03	235.55	74.18
19085	96.98	199.82	21.43	86.52	46.2
1876	96.95	477.08	19.96	774.36	202.87
10544	96.93	303.76	19.68	179.51	71.34
1521	96.93	396.47	85.1	151.07	75.31
24161	96.93	256.17	14.6	460.56	124.42
17448	96.9	94.48	3.93	54.09	36.86
2727	96.79	34.54	4.68	89.98	57.66
64	96.66	54.97	9.05	134.71	44.08
17108	96.56	83.1	10.81	156.26	38.92
16362	96.56	29.38	5.67	68.14	21.64
1602	96.56	266.42	25.42	467.04	109.06
20750	96.53	104.81	5.33	165.33	49.28
17807	96.53	3744.42	281.96	2043.09	724.62
1607	96.53	21.01	6.24	57.63	21.56
18897	96.53	44.4	11.48	122.52	46.47
19086	96.53	295.45	38.01	121.95	69.5
15996	96.5	154.51	10.49	108.43	137.77
10545	96.48	401.96	37.45	217.75	88.4
17083	96.37	20.27	9.78	73.45	28.57
1337	96.37	65.45	3.94	118.09	33.49
19472	96.32	897.02	68	581.9	129.53
24778	96.29	928.18	500.92	109.71	256.24
17653	96.24	113.09	7.92	61.18	28.86
24779	96.21	2006.24	1054.73	217.61	424.3
5616	96.21	2061.18	139.61	1253.28	378.26
17344	96.21	151.89	11.96	83.46	31.1
734	96.18	57.15	3.78	30.41	15.51
2192	96.13	86.01	12.91	39	20.84

TABLE 5D: AGYCLOVIR			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
19900	90.08	136.38	14.08	98.21	28.18
25513	90.08	731.9	39.49	575.78	213.73
16165	90.05	45.74	6.02	29.35	11.29
10098	90.05	41.51	5.18	68.56	21.67
21051	90	84.29	10.88	169.02	87.64
20615	89.97	41.16	9.96	84.15	29.66
17535	89.95	92.08	9.61	151.64	51.7
25060	89.95	64.18	7.94	30.95	26
15791	89.92	158.14	27.64	101.53	78.26
7226	89.87	25.49	7.91	66.44	31.22
699	89.86	1045.91	208.34	610.13	156.14
12423	89.81	103.4	15.44	168.78	72.48
5666	89.73	55.55	15.61	97.65	30.58
25350	89.71	42.92	5.54	28.71	14.66
25930	89.71	34.55	5.77	22.05	10.16
1731	89.68	53.64	5.68	83.97	30.8

TABLE 5C: F2-A35AAF Timepoint(s): 6 hrs GLGC					
Attorney Docket 44921-5038-01-WO Document No. 1935828.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20902	96.08	54.98	6.13	108.3	36.68
18713	96.05	575.2	47.7	332.73	111.84
15558	96.03	533.62	64.05	309.56	116.77
12996	96	153.56	22.85	316.24	136.38
14957	95.84	237.18	39.21	126.07	46.49
357	95.84	153.81	26.35	74.2	34.31
19018	95.81	176.71	22.9	356.97	119.04
2435	95.81	242.07	6.34	189.05	46.62
20745	95.81	236.14	4.13	308.75	84.22
23949	95.76	57.07	2.28	40.34	13.2
17123	95.73	162.76	7.62	108.56	36.69
23491	95.73	48.95	12.12	140.25	66.72
12485	95.73	95.61	14.66	39.24	23.66
9952	95.6	302.46	19.52	194.72	53.2
20597	95.6	3322.9	273.36	1846.93	665.77
24577	95.57	1467.77	128.16	908.77	231.99



TABLE 5D: ACYCLOVIR					
Timepoint(s): 24, 168 hrs					
Attorney Docket 44921-5088-01-WO					
Document No. 1935828.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24437	98.65	132.94	10.16	61.21	30.08
1850	98.54	7439.53	1200.53	2452.29	1064.48
15319	98.3	165.75	16.82	41.86	48.28
5573	98.28	11707.8	1460.75	4907.84	1872.31
7782	98.22	382.92	78.96	166.8	50.15
12577	98.17	1083.97	450.64	155.27	133.19
2433	97.43	43.41	9.66	113.7	41.33
953	97.35	143.65	18.27	43.42	50.89
1371	96.98	170.11	35.96	43.11	41.08
23936	96.92	418.52	172.39	127.64	96.78
4949	96.9	528.82	103.32	192.71	146.19
17253	96.71	679.98	125.29	227.91	162.63
24091	96.63	117.99	15.66	56.4	31.29
1818	96.63	4292.78	562.45	2102.97	821.16
7775	96.6	249.84	9.28	148.42	66.17
11024	96.45	314.88	46.78	123.23	76.26
20866	96.37	492.96	33.89	717.18	125.25
19560	96.37	617.4	63.01	350.56	115.93
21681	96.26	79.56	4.86	45.58	23.88
12989	96.18	738.95	161.44	411.91	128.46
16610	96.1	38.23	13.28	148.31	75.56
25938	96.1	58.95	19.4	22.7	13.38
19392	96.1	2263.49	176.11	1455.38	352.59
6792	96.05	137.97	25.43	34.15	59.56
12318	96.05	238.89	31.77	92.91	67.84
16322	95.94	111.22	18.8	56.97	45.39
18855	95.94	296.36	33.32	172.39	52.35
12413	95.89	124.67	10.46	63.11	26.89
9469	95.65	108.95	25.78	38.06	35.95
15141	95.52	82.66	5.39	146.24	47.97
26120	95.41	106.92	17.97	41.94	37.42
11467	95.41	276.6	29.69	157.5	62.29
24654	95.41	127.95	23.96	59.42	29.7
24165	95.31	132.96	21.54	51.41	38.15
25371	95.2	108.54	16.35	55.24	42.88
19617	95.15	122.8	17.48	66.69	37.26
10748	95.12	164.96	19.69	78.89	41.91
12379	94.93	116.99	41.46	29.45	38.72
5419	94.93	591.37	45.5	367.69	109.85
1620	94.75	193.74	14.11	127.65	54.84
9349	94.75	227.24	39.09	461.67	137.68
7402	94.72	600.6	136.76	277.76	152.71
21822	94.69	220.83	22.24	347.87	82.87
15443	94.64	507.29	66.07	329.15	93.55
17315	94.62	73.84	8.68	147.6	47.73
4782	94.59	465.9	98.75	206.06	109.04
8232	94.56	71.2	21.75	27.57	21.24
25679	94.46	1272.17	80.2	883.83	245.87
21204	94.46	25.69	6.21	63.31	25.05
18477	94.43	491.48	69.01	234.52	139
43	94.4	237.7	37.16	435.9	131.45

TABLE 5D: AGYCLOVIR			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs			Document No. 1935328.1		
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
11875	94.4	156.7	16.39	86.33	41.99
1572	94.32	130.07	16.87	73.12	32.48
6532	94.22	195.2	15.83	140.89	43.86
18705	94.22	163.21	24.57	100.36	38.41
25446	94.19	88.29	10.78	52.3	30.43
23360	94.16	111.38	15.42	199.65	47.65
18880	94.11	46.57	7.89	24.92	12.35
7574	94.06	114.8	19.79	50.3	37.43
16635	94.01	921.58	28.98	716.64	167.12
3882	93.98	1119.14	114.67	740.08	259.65
11097	93.98	193.12	23.75	115.43	69.24
25091	93.98	149.03	22.2	80.25	36.98
23573	93.95	174.19	28.54	294.78	73.15
25431	93.95	41.13	5.35	22.01	17.88
4017	93.95	28.18	4.84	76.12	29.66
9795	93.9	82.86	8.09	35.07	27.61
24392	93.87	166.01	26.05	100.78	41.69
1241	93.79	74.64	7.58	46.75	21.79
23325	93.77	111.13	31.41	238.81	74.06
2940	93.77	396.39	68.1	242.4	68.72
15275	93.74	370.25	30.08	549.29	127.48
24140	93.71	653.58	88	340.86	180.28
21171	93.71	486.02	61.91	288.08	146.91
22179	93.71	152.3	17.79	92.19	37.32
3013	93.63	231.72	19.6	322.78	56.93
23919	93.61	353.83	32.11	509.75	98.59
6397	93.61	402.11	55.28	240.53	86.25
21713	93.53	239.64	40.05	126.93	69.6
17625	93.45	89.85	18.1	33.84	37.55
21254	93.42	108.66	7.07	159.88	39.48
4997	93.42	112.43	16.52	65.04	31.6
25058	93.4	129.64	14.9	78.89	42.23
23492	93.24	558.38	60.81	315.42	167
26330	93.24	206.25	33.8	56.05	99.49
23178	93.21	62.88	19.62	119.13	28.73
11006	93.21	96.53	23.11	37.78	32.23
21010	93.18	927.95	80.61	675.82	297.52
4438	93.18	69.83	14.3	38.19	21
23332	93.18	49.84	8.13	29.87	10.4
26222	93.13	712.69	171.32	377.49	180.12
6267	93.05	219.4	21.37	136.82	51.96
23792	93.05	474.69	76.88	303.57	104.6
1095	93	515.53	120.95	202.63	245.36
954	93	70.24	14.23	41.38	19.02
26116	92.97	805.04	137.76	357.48	307.06
5890	92.97	341.08	31.14	216.05	96.95
24545	92.94	56.24	6.42	33.16	15.85
22543	92.89	1472.79	110.24	988.12	324.41
18356	92.89	115.28	19.72	60.25	32.14
18159	92.84	165.12	62.8	76.18	74.36
24757	92.79	110.9	12.56	77.65	31.84

TABLE 5D: ACYCLOVIR			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1828	92.73	137.56	23.02	81.27	29.4
18820	92.63	195.83	32.2	121.96	45.66
25855	92.63	156.64	16.02	97.97	38.61
4592	92.49	97.2	6.35	153.32	53.12
1962	92.39	180.33	20.16	327.42	137.32
8983	92.25	376.05	45.59	267.94	71.18
22978	92.18	58.26	12.4	119.57	42.17
17437	92.15	39.53	6.33	21.1	14.1
1205	92.12	80.17	13.11	49.9	28.86
18957	92.1	204.12	25.54	371.78	149.6
1577	91.91	81.48	15.48	40.08	25.87
20266	91.78	213.58	36.53	135.98	68.9
20859	91.75	68.89	9.07	41.95	20.52
24825	91.75	1477.2	213.31	895.58	390.05
537	91.62	2992.94	223.6	1997.2	610.38
25216	91.49	80.38	8.02	52.52	36.06
239	91.41	106.57	7.06	160.5	44.26
16104	91.38	73.23	5.38	52.41	16.39
20971	91.17	37.12	6.04	61.51	17.79
25270	91.14	40.53	7.92	22.96	11.62
23550	91.11	53.12	5.97	36.27	14.76
18269	91.09	229.04	30.64	161.26	56.44
23826	91.06	205.39	25.77	145.07	57.76
20879	91.06	237.75	99.55	624.44	271.14
1854	91	5989.94	1067.84	1960.62	928.56
24414	90.98	214.81	28.42	145.16	45.21
1161	90.8	158.12	8.83	118.86	40.83
17393	90.8	64.9	10.38	141.33	82.12
20313	90.8	33.99	2.55	23.71	11.79
20616	90.8	20.76	11.02	47.06	15.49
25565	90.77	35.24	8.43	21.65	11.21
21863	90.72	93.95	19.57	55.69	44.2
20863	90.69	133.68	20.51	88.73	44.09
20529	90.66	408.02	110.56	131.01	191.19
110	90.66	503.37	54.07	731.9	345.78
13575	90.56	46.55	13.28	113.49	48.34
4474	90.53	23.57	6.47	60.76	28.91
21957	90.5	154.67	5.28	172.91	52.77
22858	90.5	87.81	13.46	144.83	43.48
2947	90.45	23.96	2.43	41.7	17.39
20959	90.42	77.19	14.15	138.95	45.32
20373	90.34	121.97	12.49	88.11	32.59
21103	90.32	92.02	16	175.68	69.78
7176	90.32	85.81	17.55	56.97	38.24
3431	90.21	1348.86	106.14	1043.55	313.38
11137	90.19	230.57	28.06	415.06	158.7
1201	90.11	94.59	23.98	48.92	39.31
412	90.1	4054.73	1526.53	1634.46	811.9
20960	90.08	272.02	29.9	396.72	94.07
5747	90.08	53.68	23.71	125.82	48.71
5749	90.08	112.79	13.77	197.79	85.51

TABLE 5E: AGYCLOVIR					
Timepoint(s): 6 hrs			Attorney Docket 44921-5038-01-WO		
GLGC			Document No. 1935323.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2515	99.87	1144.07	3.21	616.7	182.21
4066	99.71	702.5	14.72	318.68	120.63
14425	99.66	4152.48	152.25	450.36	417.41
5616	99.58	2570.17	93.46	1253.32	376.74
22745	99.55	44.15	3.01	197.66	77.65
13332	99.52	55.25	2.55	229.32	83.77
11504	99.52	292.31	5.53	705.57	225.34
26133	99.5	1021.29	157.7	191.44	215.62
15190	99.5	8433.47	273.66	1830.44	1697.78
19057	99.47	167.29	8.72	41.63	38.95
11904	99.47	262.29	24.12	60.27	43.1
5110	99.44	653.88	12.01	322.98	112.71
14138	99.39	22.3	0.54	52.46	17.56
19011	99.39	635.67	15.89	288.81	88.81
18441	99.36	94.63	1.96	45.51	36.15
17253	99.36	836.31	55.1	228.62	163.12
8522	99.36	438.83	27.58	150.16	76.94
14459	99.34	12045.8	1339.3	4350.03	1989.67
23424	99.34	2446.66	191.34	1172.02	288.12
6957	99.34	83.56	0.4	51.2	39.64
2010	99.31	8060.59	657.65	2676.99	1244.35
14676	99.31	189.06	6.42	88.64	38.32
21933	99.26	10857.25	530.93	4996.18	1771.86
19411	99.26	120.91	6.21	33.85	21.7
1850	99.26	8072.18	746.51	2461.85	1084.73
3292	99.26	9836.38	699.32	2553.89	1359.56
13598	99.21	207.19	10.82	462.12	134.04
13361	99.15	329.36	24.47	183.07	38.88
22866	99.13	722.84	41.25	336.65	98.55
1854	99.13	7030.9	853.85	1967.49	939.44
17340	99.13	4083.25	378.34	1199.38	587.15
6057	99.1	472.75	101.92	111.99	139.7
4833	99.07	78.51	7.56	23.2	24.26
14324	99.07	190.27	43.09	23.97	29.31
7122	99.02	1044.44	129.84	404.68	103.95
21353	99.02	590.95	16.35	1384.78	367.59
21975	98.99	557.38	36.86	267.94	81.26
9795	98.99	123.87	9.97	35.11	27.51
15961	98.99	181.02	11.53	48.89	44.68
23387	98.99	207.06	30.37	33.25	48.56
11269	98.94	27.31	8.89	136.12	54.87
4892	98.91	517.45	66.01	141.54	300.27
10988	98.91	103.04	8.31	25.66	47.81
1818	98.91	4538.23	294.03	2107.22	825.91
1114	98.91	1557.24	210.93	565.57	203.41
25052	98.89	191.81	53.51	33.71	140.25
19769	98.89	1924.5	204.43	755.08	257.12
20698	98.86	3758.5	477.45	895.05	433.8
1053	98.84	163.4	1.19	131.89	45.21
18477	98.84	409.66	7.27	235.19	139.61
5579	98.84	389.13	64.82	137.55	47.31

TABLE 5E: ACYCLOVIR			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935328.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21740	98.84	2272.65	286.88	736.34	295.24
4904	98.81	1015.24	22.26	575.81	199.2
25290	98.81	224.01	20.84	50.46	74.59
21242	98.78	181.55	6.32	389.85	129.26
4274	98.76	571.79	62.71	267.12	80.09
13480	98.76	342.7	21.43	728.43	183.37
412	98.73	3290.22	187.08	1640.8	826.12
26368	98.73	115.98	0.54	160.52	113.24
402	98.73	2683.6	204.1	1204.56	415.08
9669	98.7	83.77	2.19	48.68	22.92
15094	98.7	224.06	23.05	88.9	37.46
9527	98.7	78.99	3.4	236.15	129.31
19064	98.7	284.38	16.82	159.62	44.27
3268	98.7	310.57	12.76	158.54	48.48
20524	98.68	224.04	58.85	23.35	47.45
10695	98.65	558.14	65.92	253	154.76
2304	98.65	404.56	15.67	221.82	85.74
24374	98.65	481.1	98.37	122.3	75.36
21310	98.62	293.66	20.94	118.39	79.64
15189	98.62	9903.79	1520.73	1649.22	1631.77
4199	98.6	1568.46	103.75	891.14	203.93
8053	98.6	127.84	0.53	173.34	101.01
17039	98.6	73.85	0.55	108.8	32.11
21564	98.57	161.83	1.88	241.1	44.62
20701	98.57	2765.01	300.14	880.19	387.19
18581	98.54	1060.08	64.13	583.75	157.39
17950	98.54	268.48	37.07	107.03	40.18
21446	98.54	85.24	0.44	103.22	34.05
6547	98.54	768.52	78.09	253.04	199.16
20354	98.54	437.67	64.63	51.75	57.48
20699	98.52	4872.96	438.32	2130.27	820.77
3467	98.52	42.97	3.79	126.09	53.01
12142	98.52	1579.83	43.54	910.2	278.22
4026	98.52	914.06	118.53	373.41	130.85
24200	98.52	1653.04	218.48	438.39	248.23
1159	98.49	87.49	16.35	275.08	107.4
13305	98.49	63.56	13.97	268.13	99.69
7451	98.49	2799.51	426.88	1138.17	304.14
21917	98.49	479.47	138.76	74.58	63.83
7318	98.49	27.05	0.27	26.03	44.21
3773	98.49	344.19	42.84	67.6	60.3
15191	98.46	7522.56	1192.86	1211.88	1309.42
19052	98.46	674.46	97.73	266.82	79.31
7736	98.44	30.14	4.35	99.18	38.67
18687	98.44	445.98	3.15	662.38	590.11
24211	98.41	122.68	5.08	277.05	108.57
169	98.41	237.82	32.93	84.07	35.94
10944	98.41	64.49	1.97	29.83	30.56
6056	98.41	51.55	0.98	22.01	53.36
15151	98.39	34	2.9	67.72	18.49
3131	98.33	323.3	4.01	436.11	155.15

TABLE 5E: AGYCLOVIR					
Timepoint(s): 6 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
5622	98.31	2803.59	276.46	1593.53	374.33
20313	98.28	43.64	1.34	23.71	11.76
22515	98.28	781.48	262.01	128.68	396.37
1809	98.28	310.57	124.78	135.11	741.7
9369	98.28	454.59	24.36	205.98	92.12
22513	98.25	2024.79	1015.66	35.39	788.1
18795	98.23	1052.33	44.11	541.08	204.55
25317	98.2	3169.06	371.09	1382.21	465.22
23368	98.2	20.29	2.72	76.21	35.32
20088	98.2	86.53	4.33	167.12	48.51
20090	98.2	325.25	97.77	109.24	41.45
1561	98.09	1597.16	175.74	871.83	221.15
15378	98.07	25.66	13.82	119.02	37.81
18597	97.99	452.82	3.45	605.52	200.99
1354	97.96	61.13	5.66	262.53	221.68
16564	97.96	512.39	78.58	215.32	84.22
14139	97.94	21.62	1.48	52.8	18.28
17589	97.94	154.28	25.6	33.41	33.9
23561	97.94	143.78	4.87	82.16	29.25
20529	97.88	636.99	164.61	131.24	190.69
1221	97.72	421.99	139.65	32.51	122.03
24860	97.72	291.72	3.23	390.7	272.94
1844	97.72	314.48	62.82	114.83	63.86
16562	97.7	502.07	109.41	205.9	72.48
16132	97.67	6910.51	137.1	3399.35	2221.37
21663	97.64	163.18	37.08	467.03	159.4
6477	97.64	4953.15	635.28	2260.24	859.45
20168	97.59	262.41	109.62	53.14	74.98
15134	97.54	398.07	26.44	736.12	183.35
19703	97.49	36.01	12.17	111.4	38.69
16080	97.49	218.9	76.7	71.37	143.14
25520	97.49	131.85	2.21	100.64	40.44
20700	97.46	7780.24	1061.32	2936.46	1587.23
13164	97.43	9474.57	689.84	3784.84	2461.92
9905	97.43	405.22	24.17	647.49	151.36
23491	97.41	48.52	7.81	140.16	66.75
1798	97.38	5998.85	389.31	2791.58	1330.94
17709	97.38	139.77	20.06	37.95	42.38
25797	97.38	61.12	6.48	28.61	21.9
15703	97.33	257.65	15.7	133.5	50.58
24228	97.3	1472.31	59.23	978.47	263.43
21980	97.27	1042.81	153.04	505.29	161.45
25567	97.17	173.36	4.43	145.14	141.7
699	97.17	1043.85	148.55	611.05	157.63
6478	97.14	8793.2	1557.95	3227.07	1789.85
730	97.11	25.99	0.68	46.47	36.75
4397	97.09	61.13	3.3	33.02	17.06
17468	97.06	380.46	12.17	562.15	116.39
18644	97.04	3730.28	140.75	2174.68	809.71
16305	96.93	549.44	65.09	1145.99	358.8
1521	96.9	396.76	84.68	151.33	75.74

TABLE 5E: AGYCLOVIR					
Timepoint(s): 6 hrs					
CLIC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
5545	96.9	2504.37	135.61	1488.19	573.11
25747	96.9	721.3	98.79	425.68	233.76
17590	96.85	248.74	79.09	106.14	46.42
1583	96.77	52.3	5.92	28.62	14.14
17563	96.72	2590.83	193.84	1607.6	436.46
12848	96.69	86.03	9.48	194.04	65.28
9240	96.56	227.42	7.18	338.5	82.66
25041	96.53	45.23	1.14	101.87	66.17
20778	96.53	38.89	4.82	74.1	18.65
15613	96.53	482.03	28.45	1181.46	811.46
12312	96.53	350.33	106.28	973.18	267.1
17157	96.53	53.77	8.13	23.37	16.88
23949	96.53	75.43	9.76	40.33	13.15
21707	96.51	183.37	73.24	41.07	52.53
548	96.51	53.6	25.79	399.37	223.1
16081	96.51	318.63	127.02	128.29	197.9



TABLE 5F: 2-AAF Timepoint(s): 24, 48 hrs GLCC					
Attorney Docket 44921-5038-01-WO Document No. 1935823.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
10611	99.47	363.63	98.16	23.36	34.41
17541	99.28	5057.19	615.94	1614.18	595.31
17097	98.73	213.97	24.02	66.58	45.79
7324	98.41	524.02	190.61	91.83	80.77
25705	98.41	1888.73	455.8	737.95	180.35
18445	98.38	612.92	368.87	186.97	63.66
21275	98.11	589.96	154.23	204.39	89.27
20755	98.04	376.4	218.11	54.36	58.29
20757	97.98	940.29	301.2	271.71	121.46
17474	97.85	501.14	128.44	197.27	54.31
8638	97.61	381.87	111.31	204.32	43.63
20915	97.5	1993.24	509.86	528.47	351.25
6344	97.42	105.03	33.93	39.25	21.1
17239	97	765.95	119.46	447.2	100.85
18726	97	152.74	19.37	363.54	114.88
11324	96.79	142.32	27.99	320.89	95.7
22677	96.76	271.76	111.37	121.08	72.74
18989	96.68	3106.24	554.98	1470.05	682.57
20867	96.52	552.43	66.7	327.43	75.39
21013	96.42	5732.48	728.09	2600.22	1200.14
12700	96.39	513.97	181.51	1374.12	410.69
23035	96.18	219.87	57.58	622.4	217.65
1562	96.18	364.5	89.44	883.93	224.47
15366	96.04	1224.68	131.98	845.37	146.49
8213	95.78	7294.78	1359.3	3424.5	1369.31
4268	95.65	873.06	83.51	482.67	185.97
10498	95.65	2112.71	211.88	1355.31	307.99
16123	95.54	21.98	4.22	82.89	68.35
18725	95.43	74.32	18.61	215.35	84.88
17100	95.35	1311.34	145.25	854.84	192.39
7524	95.3	899.76	122.53	574.07	163.52
18846	95.27	238.88	26.19	160.96	34.63
22051	95.27	295.3	36.19	154.8	65.27
11635	95.25	124.9	23.96	292.35	88.09
12306	95.14	353.02	127.81	1150.24	528.73
11954	94.77	2749.1	383.91	1701.87	479.59
5923	94.64	111.72	15.22	222.33	75.1
24359	94.61	177.24	32.92	98.57	37.57
4084	94.48	324.05	36.14	193.19	63.84
3496	94.4	175.6	15.41	103.45	39.7
7872	94.37	183.73	15.68	294.36	82.2
20807	94.26	1294.76	131.56	908.21	210.95
7208	94.13	448.27	25.87	653.67	153.76
26117	94.08	343.68	36.04	258.54	309.43
3167	94.08	436.32	30.55	276.79	105.19
2481	94.03	70.55	6.74	144.33	60.72
18430	93.95	35.25	6.58	76.24	27.02
12629	93.84	31.74	10.56	86.43	33.2
2725	93.81	215.82	22.77	79.66	98.99
7219	93.79	673.4	85.14	1084.53	245.06
3917	93.73	2451.68	254.31	1580.15	508.47

TABLE 5F: 2-AAF Timepoint(s): 24, 48 hrs CLIC Identifier					
Attorney Docket 44921-5038-01-WO Document No. 1935828.1					
LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD	
8159	93.71	57.07	5	88.12	24.03
12450	93.71	29.18	24.08	161.75	91.33
8036	93.68	84.19	20.89	189.6	67.54
1651	93.57	171.33	32.77	342.1	92.51
547	93.55	541.96	57.79	373.56	91.45
18250	93.52	1304.61	170.81	951.9	200.34
20872	93.41	1781.42	515.41	759.82	252.39
24722	93.36	440.04	122.05	824.89	216.07
2505	93.36	382.22	104.6	754.8	191.4
1541	93.1	105.18	14.88	192.84	82.76
15876	93.1	1761.1	105.69	1389.23	225.59
18932	92.82	159.74	54.06	40.77	21.23
9905	92.75	440.45	52.18	648.09	151.2
5996	92.67	95.01	37.44	230.35	78.41
6789	92.64	551.05	225.19	177.9	57.01
16938	92.59	2923.07	893.54	1361.16	248.67
22056	92.59	2498.16	241.82	1887.96	398.11
18243	92.51	394.05	60.71	252.87	74.78
25481	92.49	3988.37	197.17	3059.38	1747.25
5464	92.45	958.08	216.78	325.88	139.14
25453	92.43	202.24	26.73	324.24	79.97
21288	92.35	697.49	144.01	410.02	142.37
20082	92.35	168.07	67.91	40.01	43.71
24069	92.35	52.83	3.68	36.35	44.76
3075	92.35	290.02	51.47	164.28	138.3
15462	92.25	342.69	69.69	546.33	119.8
14604	92.22	62.85	8.55	128.94	58.43
19828	92.16	127.27	51.58	49.2	19.81
1550	92.11	140.59	61.81	432.45	211.35
1551	92.11	467.63	162.57	1028.69	368.82
16963	92.06	7192.74	557.77	4276.46	3533.62
24798	92.06	307.29	54.8	572.48	198.9
26030	92.06	1137.36	198.53	718.85	238.5
4449	92.03	104.37	32.44	239.38	93.06
19158	92.01	158.19	18.23	109.65	29.45
21529	91.93	173.48	34.53	324.55	97.53
1653	91.9	240.4	57.33	387.22	96.17
7184	91.87	446.68	113.54	144.22	68.71
18943	91.87	830.17	200.19	369.16	110.57
2655	91.82	715.14	177.44	284.2	167.02
4206	91.69	693.93	61.58	496.07	122.63
15875	91.66	1576.78	190.53	1092.87	256.65
19300	91.61	279.01	42.08	119.87	105.2
22715	91.53	694.54	18.81	818.88	151.03
6234	91.48	136.85	13.31	78.02	38.86
21327	91.45	1836.82	123.98	1363.29	330.61
17475	91.42	400.19	69.02	206.94	60.23
1542	91.42	115.67	26.47	228.61	86.9
17684	91.37	183.88	38	321.76	88.66
18368	91.37	255.56	50.24	427.31	108.1
14983	91.24	6864.29	613.23	4022.7	3462.48

TABLE 5F: 2-AAF					
Timepoint(s): 24, 48 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21011	91.2	5198.1	676.85	2347.81	1049.52
958	91.05	160.75	31.99	300.44	137.39
18724	90.95	215.7	48.15	425.56	146.34
16130	90.92	6035.7	494.5	3520.51	2335.7
764	90.92	46.13	13.87	100.61	38.26
17729	90.81	1338.1	141.59	920.81	211.35
17227	90.81	2318.08	216.99	1689.68	380.05
16320	90.71	50.4	11.67	99.79	32.5
1286	90.6	78.18	7.49	113.15	28.14
20832	90.55	562.04	80.75	356.5	128.9
11662	90.52	71.84	14.6	46.42	17.15
20994	90.49	182.15	33.76	97.27	31.41
21152	90.49	5511.74	443.57	3584.64	2477.89
8212	90.43	4309.1	1259.78	1969.91	710.55
24886	90.3	1725.7	158.64	1194.97	295.55
15492	90.28	167.02	14.68	297.14	115.18
1888	90.25	106.73	45.17	32.04	34.65
20839	90.25	1638.02	196.58	1132.82	215.17
255	90.25	304.25	47.35	462.3	125.07
2667	90.18	549.88	84.49	809.45	200.69
20865	90.1	24.25	13.73	90.1	95.26
6525	90.09	976.57	244.81	596.19	127.83
20429	90.04	230.98	93.85	626.27	260.17
1175	90.04	262.96	73.75	632.32	348.17
4198	89.96	787.82	72.47	1092.13	232.15
695	89.94	53.51	4.24	31.99	33.19
15626	89.93	1942.21	311.08	1328.22	250.13
21015	89.9	5258.26	551.43	2916.11	1039.43
575	89.88	490.74	134.07	907.33	309.68
20507	89.78	40.88	5.8	62.65	28.58
21305	89.72	99.49	11.19	160.04	64.71
4407	89.7	78.85	10.44	144.37	57.75
19952	89.64	61.82	13.87	127.66	51.76
24885	89.48	1395.22	230.59	891.7	189.42
1694	89.43	1375.56	153.23	1074.39	235.35
2696	89.43	1018.77	164.73	618.44	159.27
15850	89.4	1350.25	856.98	1238.02	294.94
17891	89.38	35.38	1.44	40.2	11.58
16918	89.37	1992.68	249.11	1268.47	366.85
24648	89.3	59.74	8.75	93.09	28.61
15468	89.27	1106.62	106.55	802.42	153.53
12365	89.25	617.12	46.17	800.73	149.11
18906	89.19	39.57	10.06	81.71	36.35
6109	89.09	5349.68	544.1	3580.97	2268.22
15201	89.03	2311.38	238.42	1589.31	329.09
4199	88.87	670.62	72.81	893.27	205.43
4242	88.87	113.57	73.69	520.14	210.47
4213	88.87	7593.34	881.96	4452.18	3874.69
15380	88.76	1643.87	301.54	810.83	357.11
20430	88.74	293.51	139.83	826.71	378.78
11955	88.71	1573.75	309.05	1034.07	261.95

TABLE 5F: 2-AAF Timepoint(s): 24, 48 hrs GLCC					
Attorney Docket 44921-5038-01-WO Document No. 1935828.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24577	88.71	1464.15	269.95	907.6	230.25
20057	88.69	74.6	19.11	140.47	55.04
110	88.69	306.62	109.71	733.09	344.93
20821	88.63	2132.63	371.83	1446.29	284.65

TABLE 5C: APAP					
Timepoint(s): 24 hrs					
GLC6					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20818	99.44	681.68	396.76	58.76	50.48
21051	99.42	25.82	5.72	169.47	87.24
20817	99.42	1097.61	584.9	33.94	96.13
16958	99.26	163.73	20.5	46.79	20.77
14970	99.18	56.14	7.65	184.72	40.93
14960	99.12	3029.21	292.61	1295.98	395.82
14512	99.07	240.92	30.64	1059.86	373.66
8898	99.04	324.05	39.69	812.17	179.92
17090	99.04	205.95	36.94	58.19	25.45
8592	98.99	99.79	15.85	378.1	131.56
15462	98.86	241.96	32.59	546.98	118.67
25675	98.86	1595.4	148.8	737.99	198.87
12524	98.83	858.06	70.36	390.39	107.38
9134	98.8	977.58	104.07	470.65	100.91
17091	98.8	302.38	64.25	43.56	37.87
8899	98.78	325.26	73.6	909.22	196.27
2505	98.78	231.43	34.98	755.8	189.47
4650	98.65	268.49	45.07	63.08	57.13
3023	98.65	83.25	22.18	359.33	106.87
19254	98.62	532.26	122.72	161.17	64.73
11849	98.62	1250.42	49.16	744.49	161.92
7552	98.62	243	43.8	985.86	277.63
24234	98.62	713.75	261.49	144.01	113.63
5667	98.59	1314.23	121.68	814.6	304.56
9136	98.59	681.01	57.09	336.6	86.24
18610	98.57	409.16	46.24	787.48	153.52
21586	98.57	146.56	36.94	21.03	25.51
6405	98.54	125.56	15.95	39.51	33.97
6189	98.54	424.58	107.49	3943.76	2199.09
16311	98.51	1524.82	548.61	242.17	217.65
11635	98.51	81.5	14.25	292.66	87.54
1653	98.49	173.45	21.77	387.65	95.53
19252	98.46	1360.15	244.77	515.57	179.76
11850	98.46	2198.28	189.16	1083.75	295.64
23109	98.46	1528	178.26	824.17	192.23
21053	98.43	693.77	71.61	1897.77	724.77
8872	98.43	1610.12	286	488.24	226.21
6108	98.41	258.2	51.4	110.12	43.9
5920	98.38	1558.1	470.33	454.77	201.18
17092	98.35	264.24	55.84	79.82	44.53
6107	98.35	309.22	85.55	91.76	53.88
24321	98.35	142.58	46.88	804.04	258.17
23390	98.35	1120.41	134.54	443.75	150.3
11429	98.33	125.24	12.42	233.12	43.91
19253	98.33	511.68	68.64	206.18	79.88
6945	98.33	53.77	10.52	145.7	33.05
24722	98.33	225.62	65.8	826.24	213.43
25499	98.33	1244.43	134.74	658.82	134.04
15900	98.33	450.4	66.32	184.15	74.9
19732	98.33	157.23	27.45	990.44	467.21
22582	98.27	100.04	19.95	439.37	141.24

TABLE 5G: APAP Timepoint(s): 24 hrs GLCC Identifier						Attorney Docket 44921-5038-01-WO Document No. 1935823.1					
LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD							
15135	98.25	1569.99	188.85	785.79	180.38						
25253	98.25	751.8	97.3	316.82	98.26						
1399	98.22	736.06	246.43	94.3	78.44						
17758	98.19	39.34	17.14	365.03	375.55						
4314	98.19	196.9	24.58	456.28	116.95						
7299	98.19	682.78	204.95	86.72	151.11						
24368	98.14	368.13	51.19	166.69	69.61						
2838	98.11	166.07	30.91	39.12	49.25						
22554	98.09	474.87	72.77	1498.42	436.8						
18434	98.09	284.2	56.24	794.65	235.06						
1644	98.06	61.72	12.63	158.45	52.56						
6155	98.06	96.61	14.69	276.22	110.72						
15542	98.06	761.89	95.5	392.15	103.77						
16756	98.03	466.98	36.07	263.8	95.83						
20462	98.03	1506.3	194.85	830.21	155.82						
19407	98.03	1136.89	151.98	598.29	153.63						
11039	98.03	25.6	14.99	166.57	57.78						
24246	98.03	797.05	145.39	302.5	113.92						
24771	98.03	276.1	76.48	1111.76	312.72						
5493	98.03	266.56	52.06	53.26	62.34						
5778	98.01	124	38.87	356.84	146.68						
18490	98.01	71.72	15.76	169.71	45.12						
15673	98.01	1592.77	165.69	916.73	188.89						
22849	97.98	515.41	63.55	222.2	76.48						
2587	97.98	647.25	96.49	1654.19	454.71						
24811	97.98	351.65	111.68	1510.4	451.4						
18837	97.95	80.04	25.62	282.58	97.71						
12314	97.95	857.06	190.36	2171.88	673.37						
18375	97.95	228.39	50.17	90.76	29.88						
6824	97.95	1321.6	311.33	411.16	205.73						
25204	97.93	180.62	43.32	532.86	171.33						
11205	97.93	339.68	64.17	923.97	242.44						
6826	97.93	131.69	38.88	521.49	198.59						
15113	97.93	166.07	44.28	521.61	152.45						
18990	97.93	255.16	96.79	24.56	54.56						
17549	97.9	1155.54	113.45	653.94	143.17						
20735	97.9	747.86	150.92	186.95	125.95						
20864	97.9	2068.56	578.81	462.79	361.34						
4199	97.87	434.82	51.57	894.64	203.35						
12523	97.85	436.82	102.63	159.92	57.25						
1460	97.85	869.78	182.56	282.95	153.68						
10109	97.82	1736.85	168.21	1043.86	218.33						
15465	97.82	246.31	48.07	656.79	179.18						
17897	97.79	164.57	30.22	458.17	132.72						
1884	97.79	364.39	52	162.94	51.02						
25069	97.79	1319.08	301.55	199.44	235.37						
1647	97.77	23.39	8.06	91.03	36.39						
16102	97.77	146.58	29.51	33.07	35.16						
15543	97.77	489.03	57.38	225.65	69.71						
4730	97.77	105.4	32.71	1486.12	918.03						
13088	97.74	148.5	73.25	1281.62	434.43						

TABLE 5G: APAP			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24 hrs			Document No. 1935328.1		
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20931	97.69	68.57	20.36	436.46	215.94
20600	97.66	56.63	21.78	599.38	332.16
6403	97.61	149.21	24.65	58.86	28.32
25686	97.61	1251.9	176.11	719.18	184.03
14987	97.58	1441.01	268.43	631.61	210.18
17405	97.58	160.17	15.07	87.46	22.28
21950	97.58	310.54	60.16	694.88	151.27
18606	97.58	1229.94	92.67	726.77	175.55
9687	97.56	91.55	8.77	45.28	21.52
3131	97.53	134.57	18.66	437.53	153.93
5492	97.48	190.21	71.87	35.55	62.01
25281	97.45	318.64	46.1	153.49	47.61
15876	97.45	2159.08	273.78	1386.92	219.35
794	97.45	239.5	45.81	805.02	225.73
24810	97.42	75.11	33.12	418.65	149.72
25480	97.4	161.63	43.28	608.09	191.26
20601	97.4	173.36	40.61	972.89	456.48
22576	97.37	1066.02	191.05	528.85	142.81
20385	97.37	2013.75	471.72	953.92	268.85
15138	97.32	212.66	39.75	83.73	43.36
24885	97.29	1560.36	224.08	890.56	186.33
20902	97.29	213.65	20.79	107.6	35.99
17684	97.26	125.56	24.73	322.15	88.05
23854	97.26	969.78	127.99	449.89	145.83
16217	97.24	204.89	37.65	452.1	150.87
21054	97.21	89.11	36.29	517.88	207.19
25718	97.21	755.46	58.04	435.23	111.18
21977	97.18	207.43	59.84	710.09	218.42
11153	97.16	236.96	44.12	634.23	201.04
9905	97.16	292.18	56.38	648.99	149.67
13646	97.16	1336.65	124.82	745.19	193.22
20940	97.1	1443.84	423.26	542.45	203.85
25257	97.08	257.06	59.41	98.59	67.52
2696	97.05	1094.2	119.83	617.82	158.08
24886	97.02	1901.73	315.96	1193.75	292.77
20681	97.02	175.21	22.62	98.24	27.83
19244	97.02	1832.1	169.4	1103.11	245.05
1562	96.97	381.25	66.67	884.11	224.44
18036	96.97	63.95	32.55	277.98	93.32
17104	96.94	1002.84	110.51	540.67	138.78



TABLE 5H: APAP Timepoint(s): 24 hrs GLGC					
Attorney Docket 44921-5038-01-WO Document No. 1935828.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21051	99.42	25.82	5.72	169.47	87.24
8898	99.04	324.05	39.69	812.17	179.92
25675	98.86	1595.4	148.8	737.99	198.87
12524	98.83	858.06	70.36	390.39	107.38
9134	98.8	977.58	104.07	470.65	100.91
8899	98.78	325.26	73.6	909.22	196.27
24234	98.62	713.75	261.49	144.01	113.63
11849	98.62	1250.42	49.16	744.49	161.92
19254	98.62	532.26	122.72	161.17	64.73
9136	98.59	681.01	57.09	336.6	86.24
5667	98.59	1314.23	121.68	814.6	304.56
18610	98.57	409.16	46.24	787.48	153.52
6405	98.54	125.56	15.95	39.51	33.97
16311	98.51	1524.82	548.61	242.17	217.65
23109	98.46	1528	178.26	824.17	192.23
19252	98.46	1360.15	244.77	515.57	179.76
21053	98.43	693.77	71.61	1897.77	724.77
6108	98.41	258.2	51.4	110.12	43.9
6107	98.35	309.22	85.55	91.76	53.88
17092	98.35	264.24	55.84	79.82	44.53
15900	98.33	450.4	66.32	184.15	74.9
25499	98.33	1244.43	134.74	658.82	134.04
6945	98.33	53.77	10.52	145.7	33.05
19253	98.33	511.68	68.64	206.18	79.88
25253	98.25	751.8	97.3	316.82	98.26
15135	98.25	1569.99	188.85	785.79	180.38
7299	98.19	682.78	204.95	86.72	151.11
24368	98.14	368.13	51.19	166.69	69.61
2838	98.11	166.07	30.91	39.12	49.25
18434	98.09	284.2	56.24	794.65	235.06
15542	98.06	761.89	95.5	392.15	103.77
19407	98.03	1136.89	151.98	598.29	153.63
20462	98.03	1506.3	194.85	830.21	155.82
16756	98.03	466.98	36.07	263.8	95.83
18490	98.01	71.72	15.76	169.71	45.12
5778	98.01	124	38.87	356.84	146.68
22849	97.98	515.41	63.55	222.2	76.48
6824	97.95	1321.6	311.33	411.16	205.73
18375	97.95	228.39	50.17	90.76	29.88
6826	97.93	131.69	38.88	521.49	198.59
25204	97.93	180.62	43.32	532.86	171.33
20735	97.9	747.86	150.92	186.95	125.95
17549	97.9	1155.54	113.45	653.94	143.17
1460	97.85	869.78	182.56	282.95	153.68
12523	97.85	436.82	102.63	159.92	57.25
15465	97.82	246.31	48.07	656.79	179.18
10109	97.82	1736.85	168.21	1043.86	218.33
1884	97.79	364.39	52	162.94	51.02
17897	97.79	164.57	30.22	458.17	132.72
4730	97.77	105.4	32.71	1486.12	918.03
15543	97.77	489.03	57.38	225.65	69.71

TABLE 5H: APAP					
Timepoint(s): 24 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935323.1					
CLIC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16102	97.77	146.58	29.51	33.07	35.16
1647	97.77	23.39	8.06	91.03	36.39
14510	97.74	830.06	206.27	3255.5	1192.74
2350	97.74	1165.24	133.94	653.91	177.31
20931	97.69	68.57	20.36	436.46	215.94
1649	97.69	60.68	10.69	148.15	48.13
20600	97.66	56.63	21.78	599.38	332.16
6237	97.64	199.37	72.92	627.56	216.03
20123	97.61	57.58	25.58	307.09	106.79
23860	97.61	152.54	24.79	66.77	21.53
6403	97.61	149.21	24.65	58.86	28.32
25686	97.61	1251.9	176.11	719.18	184.03
18606	97.58	1229.94	92.67	726.77	175.55
3062	97.58	1393.67	275.35	3311.28	904.29
14987	97.58	1441.01	268.43	631.61	210.18
17405	97.58	160.17	15.07	87.46	22.28
9687	97.56	91.55	8.77	45.28	21.52
3131	97.53	134.57	18.66	437.53	153.93
7586	97.53	98.65	17.89	319.54	128.23
11403	97.5	803.57	126.7	182.33	197.54
17762	97.5	102.91	14.85	50.43	18.48
12613	97.48	242	43.87	96.31	45.76
3256	97.45	2022.6	382.06	1009.67	275.31
25281	97.45	318.64	46.1	153.49	47.61
15876	97.45	2159.08	273.78	1386.92	219.35
17155	97.42	385.14	74.19	136.66	61.06
13684	97.42	1055.83	195.24	512.19	147.23
20601	97.4	173.36	40.61	972.89	456.48
6016	97.4	590.61	172.85	2106.65	762.89
10310	97.4	549.46	72.33	263.69	82.67
11404	97.37	761.56	139.23	218.12	122.16
20385	97.37	2013.75	471.72	953.92	268.85
22576	97.37	1066.02	191.05	528.85	142.81
4330	97.34	382.33	117.18	1524.27	453.35
18672	97.34	192.94	34.65	87.24	30.59
15138	97.32	212.66	39.75	83.73	43.36
6743	97.32	524.97	79.95	1101.05	267.95
23985	97.32	679.7	173.63	1792.37	544.99
18507	97.29	1358.56	157.48	693.63	200.2
20902	97.29	213.65	20.79	107.6	35.99
24885	97.29	1560.36	224.08	890.56	186.33
14118	97.26	410.29	67.7	1136.67	461.41
3916	97.24	548.99	134.29	1543.77	405.83
13294	97.24	697.13	77.77	346.45	104.54
22370	97.24	92.96	19.96	268.48	104.1
16217	97.24	204.89	37.65	452.1	150.87
25718	97.21	755.46	58.04	435.23	111.18
24369	97.21	495.6	90.9	205.92	83.68
21054	97.21	89.11	36.29	517.88	207.19
13646	97.16	1336.65	124.82	745.19	193.22
20940	97.1	1443.84	423.26	542.45	203.85

TABLE 5H: APAP			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
25257	97.08	257.06	59.41	98.59	67.52
2696	97.05	1094.2	119.83	617.82	158.08
24886	97.02	1901.73	315.96	1193.75	292.77
20681	97.02	175.21	22.62	98.24	27.83
19244	97.02	1832.1	169.4	1103.11	245.05
18036	96.97	63.95	32.55	277.98	93.32
17104	96.94	1002.84	110.51	540.67	138.78
21052	96.84	61.73	25.05	292.3	108.64
16364	96.84	21.53	13.77	180	87.93
16993	96.79	387.5	78.61	1061.34	293.27
11840	96.76	204.51	68.75	68.64	35.05
25643	96.73	244.42	42.29	125.71	45.39
15675	96.71	718.54	79.85	447.02	186.39
25589	96.63	243.19	28.58	131.88	42.88
12422	96.6	124.39	18.86	68.56	21.26
10886	96.6	325.89	93.64	980.14	409.23
15626	96.6	1914.3	141.96	1328.04	250.78
28	96.55	186.44	70.7	807.75	265.21
16929	96.55	1594.84	167.31	1086.66	173.14
12639	96.52	1626.07	188.36	1099.3	171.97
16938	96.52	2004.9	196.62	1365.21	273.01
25687	96.52	1940.06	247.25	1273.37	658.59
24434	96.49	38.82	23.96	233.99	99.58
4242	96.41	100.9	40.08	520.43	210.22
16518	96.41	1777.52	283.26	768.04	332.01
25679	96.41	1520.18	184.24	881.89	242.51
12312	96.39	358.58	110.89	975.45	264.89
1291	96.36	251.2	28.23	131.63	42.94
455	96.36	89.57	13.42	48.25	28.71
20985	96.36	42.78	14.1	137.56	59.51
2149	96.33	506.27	67.22	974.2	220.61
10819	96.33	1898.28	255.72	1168.54	332.47
25064	96.31	2337.37	452.87	1182	347.01
9254	96.28	95.28	12.81	184.17	48.09
588	96.28	364.19	99.5	941.19	268.67
10544	96.23	376.12	70.44	178.8	70.11
7872	96.23	124.75	31.1	294.73	81.62
228	96.23	234.23	39.63	486.3	120.57
6911	96.2	84.71	30.44	234.52	74.21
17105	96.2	1492	142.32	980.86	352.79
17923	96.17	96.71	10.34	51.96	19.1
23523	96.17	378.22	39.85	197.58	97.93

TABLE 51: APAP					
Timepoint(s): 3, 6 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935823.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4234	96.37	1562.41	228.3	606.16	282.97
9190	95.99	409.24	55.69	1023.78	355.45
21848	95.38	508.36	72.43	299.78	75.97
15070	95.33	59.8	20.57	366.97	192.1
4360	95.3	54.59	17.66	266.55	127.78
16215	95.27	425.16	58.89	782.02	174.56
2539	95.23	218.65	96.22	29.3	38.24
3131	95.19	144.5	37.62	439.05	152.9
15069	94.9	202.3	65.8	908.6	378.42
15997	94.88	813.65	351.32	122.49	170.98
1920	94.88	1504.99	398.7	430.96	246.08
8899	94.85	521.05	77.11	910.25	197.25
24249	94.85	180.01	39.13	1457.81	1262.86
18686	94.76	1999.23	361.77	694.29	601.03
64	94.63	59.26	14.42	135.3	43.74
9423	94.62	1693.26	379.24	806.14	285.06
1921	94.62	875.53	204.06	208.56	153.39
1501	94.46	164.01	82.59	505.88	250.23
20714	94.43	1591.59	292.98	557.8	697.68
20999	94.42	35.6	7.8	83.78	30.94
6861	94.35	72.59	30.82	171.58	37.22
16364	94.34	47.31	18.02	180.58	87.85
11726	94.27	1003.07	424.2	129.34	152.94
4291	94.26	73.8	39.53	311.61	138.1
1312	94.23	405.84	35.49	640.08	136.15
4003	94.2	65.49	22.78	179.63	79.96
23629	94.19	197.75	56.32	84.36	37.93
13933	94.11	201.22	38.22	103.76	35.78
17720	94.11	208.32	37.5	118.42	31.87
1431	94.02	95.78	34.77	435.85	187
23711	93.99	955.74	410.02	175.38	265.8
15996	93.97	531.17	191.59	104.03	129.76
15599	93.96	390.65	46.86	644.66	140.56
17334	93.95	456.16	134.26	174.33	81.45
1973	93.91	202.65	40.97	393.37	105.86
25705	93.91	480.04	58.52	746.23	197.9
7582	93.83	177.41	46.3	517.4	201.05
3548	93.79	21.78	11.09	80.61	29.95
23709	93.69	639.52	233.03	172.58	245.86
20779	93.68	2353.04	350.51	1361.2	334.8
10918	93.63	334.12	78.88	160.07	58.07
11079	93.62	31.23	8.61	92.7	35.85
16450	93.52	68.54	24.67	250.64	90.74
7837	93.51	96.9	18.89	204.81	65.61
2911	93.44	463.75	153.15	1194.47	357.16
17468	93.43	362.22	49.8	563.99	115.19
23044	93.42	387.95	117.87	150.64	50.01
19605	93.39	236.72	41.49	129.62	41.34
9776	93.25	1329.18	343.19	709.9	233.64
18727	93.25	1872.44	279.45	752.03	366.47
17506	93.13	399.01	349.67	28.06	50.99

TABLE 51: APAP Timepoint(s): 3, 6 hrs GLC Attorney Docket 44921-5033-01-WO Document No. 1935823.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16982	93.12	1641.85	437.99	322.65	457.76
15401	93.08	139.13	62.85	43.23	22.13
21842	93.04	83.37	32.47	568.46	292.58
8715	93.02	4368.81	1539.49	1535.24	565.09
18687	92.96	1938	349.18	648.4	576.75
5934	92.9	109.95	37.22	370.97	164.98
445	92.85	81.23	17.64	39.99	24.99
22378	92.8	21.7	19.29	100.06	39.37
5953	92.73	1310.4	496.07	175.05	193.14
7927	92.69	58.26	50.37	288.45	114.77
23606	92.65	1356.06	401.57	396.57	199.22
17183	92.52	220.92	28.69	347.74	76.33
6291	92.45	578.1	67.62	986.56	239.67
5952	92.44	481.14	170.63	103.14	98.67
9128	92.37	193.76	55.1	109.37	76.47
17897	92.26	206.99	46.02	459.28	132.2
15154	92.18	355.55	43.5	625.96	172.69
15127	92.1	1431.46	270.71	685.54	318.61
1035	92.08	90.86	18.74	51.76	21.96
3132	92.08	178.13	64.77	40.93	76.63
20931	92.07	131.65	49.32	437.75	215.84
20535	92.05	82.27	20.25	41.33	19.59
3550	92.02	192.11	39.27	351.28	89.88
1919	92.01	1065.82	400.77	236.46	159.88
2905	91.94	131.31	103.34	501.19	187.74
23029	91.89	39.51	115.3	776.06	454.6
11727	91.88	1387.25	554.3	171.64	201.37
21097	91.85	1927.2	412.81	913.68	378.2
20146	91.84	100.18	21.58	41.99	22.7
349	91.83	76.21	16.89	137.26	38.43
15170	91.78	83.81	34.97	197.37	55.8
7225	91.73	158.31	57.84	345.4	93.41
22545	91.65	487.71	98.05	241.09	111.15
8549	91.6	231.74	81.83	666.55	224.06
23030	91.57	32.47	60.21	488.12	305.14
1561	91.57	533.29	93.86	876.61	221.12
23710	91.54	208.44	92.17	40.21	129.93
18061	91.54	63.5	15.19	111.67	24.77
18640	91.52	93.97	12.47	159.7	37.95
17564	91.46	799.28	131.94	489.7	134.27
25204	91.44	275.5	41.95	533.73	171.63
17686	91.38	1234.06	129.33	873.34	183.54
22862	91.34	113.44	94.34	457.96	162.69
8438	91.32	30.88	12.98	94.84	45.18
13426	91.3	868.27	179.74	527.89	175.5
11191	91.29	152.66	125.54	1145.68	753.65
25814	91.27	42.6	15.87	139.24	72.71
11728	91.26	1048.59	372.55	186.93	207.95
22233	91.25	245.66	47.06	427.41	105.58
28	91.06	329.84	89.88	809.54	265.09
164	91.01	454.39	71.38	741.61	171.3

TABLE 51: APAP					
Timepoint(s): 3, 6 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24825	90.99	2015.31	542.75	885.79	371.64
13568	90.96	21.64	6.81	47.5	16.27
21238	90.89	262.55	92.12	78.06	75.72
1354	90.78	897.25	231.72	255.42	211.55
16767	90.77	1023.33	197.7	601.28	193.7
20743	90.69	73.83	19.39	140.92	37.81
21980	90.66	283.16	46.28	508.52	161.96
17533	90.65	137.9	29.54	307.57	124.83
1314	90.61	250.56	16.13	189.08	45.84
15126	90.54	2755.14	656.25	1260.02	515.92
14970	90.5	108.49	26.73	184.85	41.27
18981	90.46	79.97	15.43	167.26	133.04
16912	90.42	173.9	41.63	304.32	78.3
22352	90.42	650.9	404.48	104.75	168.64
10509	90.4	54.07	15.54	139.36	53.74
15642	90.28	933.55	366.64	370.6	146.07
20799	90.22	263.93	35.28	487.22	132.92
15995	90.12	532.08	290.02	97.66	144.67
18867	90.07	479.33	95.41	829.59	221.32
23523	90.03	376.94	68.02	196.62	97.12
17382	89.98	477.16	81.55	272.05	85.6
23202	89.94	53.47	15.57	123.82	39.39
21909	89.81	74.84	16.14	155.4	58.67
15980	89.67	21.11	15.6	63.98	22.96
16553	89.63	88.73	41.96	259.37	85.39
15926	89.61	302.73	67.86	591.59	206.5
23419	89.58	332.88	86.83	184.8	65.9
25460	89.52	308.59	100.83	1155.07	551.47
24219	89.5	783.08	189.05	376.58	184.34
25089	89.4	157.98	54.36	43.7	44.67
24161	89.38	285.34	35.11	461.88	124
23194	89.34	40.08	28.27	154.82	73.37
397	89.31	137.37	32.4	67.37	38.34
10015	89.19	194.27	25.5	138.26	51.95
25370	89.19	20.85	23	157.83	91.22
19825	89.09	103.75	47.68	357.69	161.41
2727	89.03	37.93	10.97	90.39	57.7
20744	89	1278.32	480.83	338.65	285.91

TABLE 5J: APAP					
Timepoint(s): 3, 6 hrs			Attorney Docket 44921-5038-01-WO		
GLGC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21848	95.38	508.36	72.43	299.78	75.97
4360	95.3	54.59	17.66	266.55	127.78
2539	95.23	218.65	96.22	29.3	38.24
3131	95.19	144.5	37.62	439.05	152.9
15069	94.9	202.3	65.8	908.6	378.42
15997	94.88	813.65	351.32	122.49	170.98
24249	94.85	180.01	39.13	1457.81	1262.86
8899	94.85	521.05	77.11	910.25	197.25
18686	94.76	1999.23	361.77	694.29	601.03
9423	94.62	1693.26	379.24	806.14	285.06
20714	94.43	1591.59	292.98	557.8	697.68
20999	94.42	35.6	7.8	83.78	30.94
11726	94.27	1003.07	424.2	129.34	152.94
1312	94.23	405.84	35.49	640.08	136.15
4003	94.2	65.49	22.78	179.63	79.96
23629	94.19	197.75	56.32	84.36	37.93
17720	94.11	208.32	37.5	118.42	31.87
13933	94.11	201.22	38.22	103.76	35.78
1431	94.02	95.78	34.77	435.85	187
15996	93.97	531.17	191.59	104.03	129.76
15599	93.96	390.65	46.86	644.66	140.56
17334	93.95	456.16	134.26	174.33	81.45
1973	93.91	202.65	40.97	393.37	105.86
7582	93.83	177.41	46.3	517.4	201.05
3548	93.79	21.78	11.09	80.61	29.95
20779	93.68	2353.04	350.51	1361.2	334.8
10918	93.63	334.12	78.88	160.07	58.07
11079	93.62	31.23	8.61	92.7	35.85
16450	93.52	68.54	24.67	250.64	90.74
7837	93.51	96.9	18.89	204.81	65.61
2911	93.44	463.75	153.15	1194.47	357.16
17468	93.43	362.22	49.8	563.99	115.19
19605	93.39	236.72	41.49	129.62	41.34
18727	93.25	1872.44	279.45	752.03	366.47
9776	93.25	1329.18	343.19	709.9	233.64
17506	93.13	399.01	349.67	28.06	50.99
16982	93.12	1641.85	437.99	322.65	457.76
15401	93.08	139.13	62.85	43.23	22.13
21842	93.04	83.37	32.47	568.46	292.58
8715	93.02	4368.81	1539.49	1535.24	565.09
18687	92.96	1938	349.18	648.4	576.75
5934	92.9	109.95	37.22	370.97	164.98
445	92.85	81.23	17.64	39.99	24.99
22378	92.8	21.7	19.29	100.06	39.37
17183	92.52	220.92	28.69	347.74	76.33
5952	92.44	481.14	170.63	103.14	98.67
9128	92.37	193.76	55.1	109.37	76.47
17897	92.26	206.99	46.02	459.28	132.2
15154	92.18	355.55	43.5	625.96	172.69
15127	92.1	1431.46	270.71	685.54	318.61
3132	92.08	178.13	64.77	40.93	76.63



TABLE 5J: APAP			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1035	92.08	90.86	18.74	51.76	21.96
20931	92.07	131.65	49.32	437.75	215.84
20535	92.05	82.27	20.25	41.33	19.59
3550	92.02	192.11	39.27	351.28	89.88
2905	91.94	131.31	103.34	501.19	187.74
23029	91.89	39.51	115.3	776.06	454.6
11727	91.88	1387.25	554.3	171.64	201.37
20146	91.84	100.18	21.58	41.99	22.7
349	91.83	76.21	16.89	137.26	38.43
7225	91.73	158.31	57.84	345.4	93.41
22545	91.65	487.71	98.05	241.09	111.15
1561	91.57	533.29	93.86	876.61	221.12
23030	91.57	32.47	60.21	488.12	305.14
18061	91.54	63.5	15.19	111.67	24.77
18640	91.52	93.97	12.47	159.7	37.95
17564	91.46	799.28	131.94	489.7	134.27
25204	91.44	275.5	41.95	533.73	171.63
17686	91.38	1234.06	129.33	873.34	183.54
8438	91.32	30.88	12.98	94.84	45.18
13426	91.3	868.27	179.74	527.89	175.5
11191	91.29	152.66	125.54	1145.68	753.65
11728	91.26	1048.59	372.55	186.93	207.95
22233	91.25	245.66	47.06	427.41	105.58
2677	91.09	28.67	13.22	101.43	43.16
3049	91.07	216.8	50.58	121.87	39.4
28	91.06	329.84	89.88	809.54	265.09
13153	91.04	204.24	32.32	111.05	44.86
5141	91.04	199.59	65.6	868.17	506.8
22069	91.02	926.04	178.92	556.93	134.89
24825	90.99	2015.31	542.75	885.79	371.64
12958	90.98	465.55	109.67	1125.25	389.4
23471	90.9	300.86	191.26	46.32	58.59
21238	90.89	262.55	92.12	78.06	75.72
24321	90.88	378.08	87.67	805.06	259.5
23584	90.85	72.93	50.54	225.53	88.19
2196	90.85	475.7	94.08	970.3	286.38
16053	90.84	867.47	417.6	169.1	205.1
9963	90.84	305.4	108.64	758.64	298.32
1354	90.78	897.25	231.72	255.42	211.55
16767	90.77	1023.33	197.7	601.28	193.7
20743	90.69	73.83	19.39	140.92	37.81
17533	90.65	137.9	29.54	307.57	124.83
1314	90.61	250.56	16.13	189.08	45.84
15126	90.54	2755.14	656.25	1260.02	515.92
4014	90.53	29.98	16.06	76.9	27.09
13772	90.52	2130.68	696.4	939.46	240.21
14970	90.5	108.49	26.73	184.85	41.27
6430	90.46	158.8	50.82	43.64	67.82
16912	90.42	173.9	41.63	304.32	78.3
22352	90.42	650.9	404.48	104.75	168.64
10509	90.4	54.07	15.54	139.36	53.74

TABLE 5J: APAP			Attorney Docket 44921-5033-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15642	90.28	933.55	366.64	370.6	146.07
15995	90.12	532.08	290.02	97.66	144.67
18867	90.07	479.33	95.41	829.59	221.32
23523	90.03	376.94	68.02	196.62	97.12
17382	89.98	477.16	81.55	272.05	85.6
23202	89.94	53.47	15.57	123.82	39.39
16553	89.63	88.73	41.96	259.37	85.39
15926	89.61	302.73	67.86	591.59	206.5
23419	89.58	332.88	86.83	184.8	65.9
25460	89.52	308.59	100.83	1155.07	551.47
24219	89.5	783.08	189.05	376.58	184.34
25089	89.4	157.98	54.36	43.7	44.67
24161	89.38	285.34	35.11	461.88	124
23194	89.34	40.08	28.27	154.82	73.37
397	89.31	137.37	32.4	67.37	38.34
10015	89.19	194.27	25.5	138.26	51.95
25370	89.19	20.85	23	157.83	91.22
19825	89.09	103.75	47.68	357.69	161.41
20744	89	1278.32	480.83	338.65	285.91
17146	88.99	1203.52	205.72	741.13	218.45
20601	88.95	293.62	127.5	975.88	455.86
20803	88.93	128.85	31.9	287.85	114.04
20715	88.91	933.53	205.81	378.29	429.14
24469	88.87	428.61	53.02	624.31	199.9
17142	88.84	335.45	101.09	682.1	311.88
25090	88.81	182.14	60.84	55.78	40.81
16039	88.78	148.24	28.06	234.28	67.19
16150	88.78	1018.65	135.84	666.07	275.92
15850	88.74	1693.96	206.26	1233.68	296.7
16435	88.69	268.2	32.61	405.41	93.01
20802	88.65	59.03	16.12	131.83	60.95
1170	88.64	37.13	14.35	111.02	54.84
15124	88.56	2187.16	383.72	1342.17	439.53
135	88.5	142.27	46.38	308.32	109.39
15411	88.5	1076.59	202.15	505.39	318.31
17709	88.41	134.59	44.16	37.08	41.34
15409	88.39	1026.08	156.25	595.44	283.38
8898	88.39	546.72	63.98	812.4	181.75
23045	88.34	320.81	96.18	162.5	51.23
6109	88.14	2306.16	366.26	3603.1	2274.23
15848	88.11	1988.94	331.58	1323.98	344.79
14535	88.09	2696.56	633.51	3693.56	2372.98
15613	88.07	356.7	112.61	1189.15	811.04
25550	88.01	91.83	25.88	38.98	23.72
6478	88	2509.97	291.57	3243.65	1810.61

TABLE 5K: AY-25329					
Timepoint(s): 24 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15127	99.42	2228.57	144.07	690.17	319.67
25284	99.31	228.35	29.98	35.82	35.65
5493	99.23	334.45	20.49	53.8	62.92
18989	99.23	3688.22	218.96	1473.15	684.27
5492	99.13	333.55	35.59	35.74	61.59
20705	99.13	6053.85	567.01	1016.82	920.69
18401	99.02	1192.86	19.51	790.14	166.79
20703	99.02	2972.37	407.67	444.63	468.56
15124	98.97	3499.62	356.01	1346.55	436.48
6236	98.97	2654.19	311	945.78	402.83
1793	98.83	4009.12	413.32	1154.04	604.09
20704	98.76	5184.07	583.26	1296.29	830.46
6143	98.68	1556.68	119.85	818.9	449.94
12589	98.68	54.45	0.24	45.08	47.36
1794	98.68	8293.54	1002.09	2160.55	1242.66
1795	98.62	1864.31	162.88	530.41	369.76
15126	98.6	3088.46	202.44	1271.98	533.53
6735	98.54	146.66	2.51	99.87	41.4
3816	98.46	575.25	19.66	377.74	104.46
1797	98.38	5433.84	613.82	1788.63	1017.3
12155	98.38	3106.16	814.21	626.16	657.08
8661	98.36	94.12	31.74	26.77	156.77
20707	98.36	1648.89	164.54	603.99	295.97
25056	98.33	3664.54	860.18	928.86	704.24
12157	98.28	4167.9	1215.21	567.99	968.73
12156	98.2	3316.68	1192.33	495.67	848.47
1796	98.09	1014.79	217.2	236.88	176.87
6072	97.99	3160.03	286.02	1859.28	457.54
2424	97.91	1544.68	110.35	900.09	230.06
21957	97.88	127.91	1.18	172.94	52.7
17091	97.75	147.88	26.61	44.71	42.18
18027	97.72	104.69	21.33	48.98	32.44
7926	97.72	305.2	94.87	95.06	51.68
16703	97.7	1659.65	28.69	1168.22	385.13
22845	97.67	295.43	7.94	463.15	106.9
12447	97.64	134.56	6.18	63.62	36.34
1792	97.64	353.01	4.03	301.81	112.05
8872	97.51	1235.51	270.82	492.6	238.22
2615	97.43	119.21	3.95	203.42	60.45
2485	97.38	626.8	9.02	759.21	297.72
8864	97.22	127.38	6.48	51.24	84.26
25971	97.19	76.52	1.74	46.77	26.59
3438	97.17	33.8	0.49	39.49	24.65
15879	97.14	534.82	74.36	311.86	83.27
2158	97.14	228.23	4.29	156.69	90.9
2388	97.09	2352.96	69.04	1763.09	434.06
22595	97.09	822.73	9.6	1049.61	230.23
24860	97.09	1209.19	232.29	388.81	270.26
22953	97.03	625.19	120.94	213.93	156.52
53	96.95	22.21	9.24	73.81	42.08
1354	96.95	904.17	93.64	260.85	219.87

TABLE 5K: AY-25329 Attorney Docket 44921-5033-01-WO					
Timepoint(s): 24 hrs Document No. 1935323.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14920	96.9	115.46	5.29	67.48	31.94
9134	96.8	547.75	6.48	473.17	107.45
22029	96.74	8985.65	220.77	5394.63	2937.83
17092	96.72	167.34	25.25	80.61	46.41
11460	96.72	107.73	9.37	58.97	21.11
21333	96.69	58.35	2.96	111.95	48.51
15125	96.69	3466.71	401.78	1645.24	618.38
17090	96.66	111.48	13.73	58.86	27.59
23841	96.66	173.22	10.42	56.48	71.45
17117	96.66	1570.77	153.81	989.37	208.99
12431	96.61	170.59	28.44	61.94	43.63
8527	96.58	197.98	8.97	160.89	177.77
25069	96.58	726.13	121.31	204.25	248.33
15624	96.5	24.53	1.97	56.66	35.08
25928	96.5	20.13	0.33	28.79	18.98
10866	96.48	153.28	8.06	85.81	55.37
11421	96.48	76.66	4.39	128.32	32.69
21040	96.42	913.88	236.02	119.95	264.13
9032	96.4	1070.64	184.86	604.13	157.41
2569	96.29	1540.05	243.21	906.42	289.22
1876	96.29	1169.52	64.93	772.73	202.56
12215	96.27	272.81	30.43	138.88	88.42
6831	96.21	20.07	3.08	52.79	25.33
8786	96.19	141.16	10.6	229.35	55.23
18743	96.16	353.17	6.9	472.54	107.63
18990	96.11	79.8	21.06	25.66	57.32
4092	96.11	460.95	11.87	315.11	136.65
3256	96.08	1715.15	296.85	1013.55	283.69
25983	96.08	75.31	10.51	24.27	24.4
23858	96.08	729.3	94.1	286.86	164.7
11723	96.05	242.62	9.63	143.45	53.85
8585	96	238.37	30.89	135.09	45.12
21903	95.97	2774.45	391.45	1523.7	485.8
10378	95.95	2209.01	144.3	1402.31	437.11
22052	95.92	586.5	22.4	369.09	139.42
24049	95.92	2558.45	263.29	1516.37	458.24
14297	95.9	343.47	4.84	288.02	57.25
3715	95.9	207	3.37	257.6	90.09
5009	95.87	533.12	22.64	388.12	90.32
16978	95.87	120.14	2.25	114.67	66.13
3645	95.84	260.54	14.22	175.63	43.58
24163	95.82	487.99	32.44	308.2	91.51
5602	95.79	341.78	27.21	207.49	212.86
4921	95.79	59.26	0.99	71.53	22.33
13846	95.76	60.41	3.72	34.2	16.92
8283	95.76	239.99	30.85	121.39	68.8
18653	95.74	86.56	7.76	34.8	29.33
15764	95.71	20.8	1.37	38.68	14.72
22884	95.71	326.93	43.15	196.01	48.72
14347	95.66	2728.93	149.87	1739.69	514.36
25281	95.55	244.98	20.56	154.17	48.94

TABLE 5K: AY-25329					
Timepoint(s): 24 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935328.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23321	95.55	327.32	12.23	237.81	65.16
25915	95.52	45.7	1.09	44.83	25.79
16320	95.44	53.3	3.71	99.66	32.58
1462	95.39	281.62	16.97	181.7	70.06
21730	95.37	372.89	41.43	219.01	74.61
25705	95.37	535.07	18.04	743.86	198.79
228	95.29	359.03	13.58	485.24	121.65
25400	95.26	3529.97	320.24	1669.82	936.33
20795	95.13	430.05	152.67	136.8	147.78
7040	95.1	58.53	1.59	44.91	24.17
4507	95.07	76.55	14.69	29.16	20.54
4011	94.84	3393.88	485.3	1814.62	677.43
21039	94.84	680.01	188.7	237.99	179.23
17332	94.81	42.21	0.75	51.04	26.82
21904	94.76	6107	612.37	2999.52	1590.33
15623	94.7	43.16	3.57	71.32	24.27
14925	94.7	304.2	4.07	323.51	105.18
634	94.68	2339.09	155.16	1531.8	420.57
18887	94.68	94.02	1.66	122.89	39.63
15154	94.6	425.17	21.92	623.52	173.98
21015	94.6	5326.56	750.73	2922.16	1044.87
17374	94.57	92.28	4.99	155.79	47.59
15848	94.52	2126.64	293.37	1329.33	349.48
18293	94.52	1589.45	35.1	1370.84	446.65
10097	94.49	63.75	2.56	98.75	30.52
25064	94.44	2030.03	389.13	1186.32	355.39
7635	94.39	100.8	2.18	127	27.75
20809	94.36	213.36	13.63	323	81.99
357	94.36	37.55	3.07	74.49	34.52
1426	94.33	70.81	14.26	134.5	35.86
24577	94.31	952.7	15.76	910.16	233.77
17154	94.28	292.65	22.71	188.41	79.48
20864	94.23	897.32	188.21	470.37	380.66
14633	94.23	2097.19	131.15	1235.8	503.81
20872	94.23	777.77	8.65	764.65	263.84
25468	94.2	3173.3	126.12	2322.64	1103.63
19942	94.15	95.56	6.27	145.09	54.11
15134	94.15	399.35	71.1	736.3	183.22
8984	94.12	137.4	2.65	180.76	59.27
15384	94.12	42.75	1.45	33.76	18.34
11153	94.01	361.07	30.29	632.71	202.42
19433	94.01	313.24	91.01	107.04	118.97
762	93.94	2847.63	424.59	1602.04	597.28
17601	93.88	40.2	11.03	102.49	39.9
20404	93.78	101.9	8.52	205.37	111.49
4395	93.78	67.76	1.4	78.17	27.52
17292	93.7	878.24	18.69	750.92	249.73
25287	93.67	154.8	19.65	83.01	45.51
15638	93.64	30.48	2.51	37.68	26.23
20778	93.62	45.5	5.31	74.1	18.66
70	93.62	281.42	35.86	472.99	143.44

TABLE 5K: AY-25329					
Timepoint(s): 24 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1698	93.59	431.04	110.73	210.49	212.86
16604	93.56	40.05	7.29	85.4	33.96
15668	93.51	102.01	6.44	82.54	66.01
6127	93.49	23.69	1.27	40.44	19.63

TABLE 5L: AY-25329 Attorney Docket 44921-5038-01-WO					
Timepoint(s): 6 hrs Document No. 1935323.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
9128	99.47	354.27	42.02	109.61	75.79
20705	99.44	3201.5	243.39	1021.71	943.21
489	99.28	888.37	258.13	34.02	347.52
488	99.21	2923.89	441.22	140.43	726.58
6072	99.13	3706.97	408.43	1857.14	451.4
6071	99.07	530.75	42.79	251.17	84.27
20704	98.99	3555.4	254.22	1298.54	842
14737	98.94	3684.86	157.18	2006.22	547.49
14738	98.81	2448.85	138.8	1327.41	357.13
23449	98.68	4318.09	803.01	841.75	681.45
20703	98.65	1366.26	204.31	447.55	480.77
15644	98.62	1914.02	51.4	1368.69	389.22
1920	98.57	1514.84	112.1	439.47	265.88
7281	98.49	441.53	30.85	227.7	69.99
1794	98.46	6517.83	730.04	2162.01	1254.96
23448	98.41	4428.17	561.92	1081.77	848.31
9423	98.33	1313.51	45.22	814.2	299.43
13799	98.3	269.31	22.75	137.57	53.16
21913	98.17	211.98	28.07	105.73	26.92
1321	98.17	2755.45	228.85	899.36	612.89
356	98.07	272.75	15.73	145.76	65.24
1793	98.04	2716.62	269.59	1155.95	613.23
15190	98.01	5333.96	243.78	1831.66	1709.47
22586	98.01	126.81	110.11	4599.4	3587.54
12157	97.96	3316.91	1174.06	568.34	972.53
17091	97.93	99.36	8.07	44.78	42.37
16510	97.93	72.27	14.75	249.9	104
64	97.93	58.28	4.48	134.7	44.1
12155	97.75	2255.34	580.1	627.1	662.06
4133	97.72	221.29	5.17	375.25	112.42
1921	97.72	761.61	85.23	214.16	166.19
575	97.62	1703.39	109.13	903.24	308.03
23033	97.56	627.74	74.47	352.44	93.47
15189	97.56	4996.27	266.45	1653.47	1657.25
1919	97.54	697.95	65.39	244.03	183.41
20735	97.51	264.65	8.18	189.71	132.57
9079	97.51	205.9	4.58	313.27	94.32
2433	97.51	226.62	18.26	113.14	41.11
6236	97.46	2164.72	282.46	946.17	405.7
23243	97.3	4622.23	852.78	1788.3	771.99
21816	97.24	1775.09	46.91	1249.95	296.97
2354	97.22	1555.17	146.52	817.04	288.67
20088	97.22	104.24	3.39	167.16	48.53
22534	97.19	840.23	23.19	594.77	144.69
15879	97.11	504.41	53.68	311.82	83.36
15125	97.11	3095.98	168.95	1645.26	619.88
16035	97.09	32.98	3.75	90.85	50.8
8431	97.09	230.01	37.66	55.45	66.1
15126	97.06	2208.98	97.12	1273.35	538.07
11708	97.03	1694.02	180.11	978.63	234.58
15191	97.03	3612.61	253.19	1215.55	1328.85



TABLE 5L: AY-25329					
Timepoint(s): 6 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935323.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15987	97.01	78.64	11.66	24.96	42.42
15124	96.98	2553.15	198.61	1347.91	443.51
15345	96.95	1782.76	299.77	832.98	257.16
1948	96.95	152.71	7.19	79.69	36.81
1795	96.87	1240.44	162.86	531.36	373.12
22915	96.82	36.91	15.81	141.39	44.62
5256	96.77	239.34	42.68	101.68	89.68
3992	96.77	26.46	4.15	68.95	27.2
24163	96.74	497.01	27.55	308.08	91.39
2424	96.74	1416.71	86.6	900.09	230.5
20778	96.66	40.64	3.88	74.13	18.63
19992	96.63	1133.83	152.45	621.66	217.65
6818	96.61	124.34	8.18	238.82	93.04
10103	96.53	119.82	6.2	57.12	76.56
23515	96.53	724.13	80.66	373.87	140.93
23612	96.5	574.24	70.51	265.12	127.38
3302	96.48	430.31	30.27	260.84	89.7
21040	96.42	748.42	128.02	119.97	264.85
19938	96.37	293.4	22.26	195.14	71.92
16496	96.37	2002.91	149.55	1211.65	377.99
19605	96.37	243.38	36.21	130.46	42.38
5684	96.29	968.45	82.18	582.25	147.54
23874	96.24	493.22	89.22	212.22	98.87
8817	96.21	469.05	35.86	797.12	193.58
21762	96.18	766.55	74.41	468.92	127.23
12463	96.16	498.89	21.07	377.4	75.38
14911	96.16	200.29	22.98	88.86	54.9
13502	96.16	487.93	66.37	213.32	112.66
3217	96.13	53.75	5.13	96.67	26.26
23858	96.13	771.81	122.42	286.51	164.06
2242	96.05	4820.85	661.18	2424.41	876.55
22197	96.03	243.97	19.63	156.48	86.62
19783	96	508.73	7.91	410.49	86.46
17434	96	359.64	67.08	212.43	57.23
9424	95.95	1643.78	131.3	1012.39	382.55
5559	95.92	101.65	12.71	198.62	64.73
5990	95.92	528.1	22.61	375.35	94.99
17401	95.92	145.2	12.12	433.88	217.58
17506	95.84	111.78	36.48	31.77	72.35
3233	95.84	586.97	94.81	337.94	94.29
9514	95.81	1514.1	190.78	935.64	220.23
22452	95.81	1306.31	389.36	397.26	335.32
18175	95.79	293.68	29.21	497.94	119.39
14210	95.79	218.57	22.71	89.51	68.23
9368	95.76	106.87	9.31	30.43	49.97
25855	95.73	149.27	6.06	98.06	38.68
14496	95.71	755.44	10.71	637.87	82.45
7639	95.68	400.04	39.23	276.76	69.01
15127	95.63	1368.84	119.03	691.63	325.64
20914	95.6	743.91	261.17	235.09	310.38
1797	95.44	4188.13	826.41	1789.99	1023.48

TABLE 5L: AY-25329 Attorney Docket 44921-5038-01-WO					
Timepoint(s): 6 hrs Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14621	95.28	107.41	1.84	142.85	46.25
12060	95.26	47.87	5.63	91.21	25.83
23045	95.15	255.48	37.5	163.93	54.17
19949	95.12	86.53	7.05	146.55	42.94
19222	95.02	768.75	33.94	1019.28	177.86
5497	94.97	1000.21	88.11	641.4	187.79
4234	94.83	956.41	63.22	615.37	298.73
19096	94.73	57.63	0.95	64.45	22.13
1796	94.54	443.71	62.76	237.98	180.37
956	94.44	484.92	70.09	300.84	128.26
17090	94.41	80.3	3.64	58.91	27.69
18445	94.38	98.13	13.98	189.24	73.89
6672	94.33	39.25	4.79	77.99	25.44
1958	94.33	4985.87	190.85	3317.83	1944.19
24352	94.3	27.75	0.9	33.04	14.34
1159	94.28	162.39	10.62	275.08	107.56
5033	94.2	265.2	27.03	515.49	286.9
24670	94.09	360.02	26.89	541.68	137.35
17740	94.04	3427.99	98.34	2194.96	956.73
21980	93.99	274.05	41.72	506.75	162.58
24458	93.91	449.26	21.59	632.05	154.86
23044	93.77	227.6	25.98	152.95	56.53
7148	93.64	92.3	2.5	130.59	42.98
18727	93.61	1447.97	123.12	762.06	381.99
2831	93.59	148.13	13.47	250.71	82.13
1373	93.35	38.34	1.94	53.32	15.94
17147	93.35	4539.57	228.13	3208.13	1955.57
24767	93.32	42.13	12.79	114.61	46.62
17324	93.3	227.18	24.03	378.67	117.83
18327	93.27	70.58	4.34	44.61	27.29
15274	93.27	53.53	2.94	83.66	27.09
957	93.27	161	30.32	95.4	47.09
108	93.22	2715.08	78.41	2174.3	1124.52
16135	93.22	5731.84	306.06	3557.47	2538.5
18452	93.16	687.01	47.14	1064.64	458.5
15350	93.16	111.88	7.38	75.02	26.83
173	93.16	245.25	41.89	111.96	81.02
18453	93.08	279.46	51.57	643.35	266.26
20700	93.08	4284.73	215.51	2940.59	1598.61
19252	93.06	305.86	24.24	520.6	190.14
20649	93.03	2181.55	127.02	1502.46	431.12
21098	93	1700.79	105.75	1149.43	542.04
18578	92.98	64.81	8.07	167.96	106.35
24657	92.95	23.96	5.89	70.07	35.01
11966	92.95	178.44	20.12	295.19	95.81
15447	92.9	292.34	6.2	267.86	68.16
18564	92.87	235.49	30.58	382	97.18
811	92.85	517.78	35.52	676.64	149.1
9905	92.85	465.99	40.53	647.58	151.46
20919	92.79	250.19	34.31	498.34	222.82
16730	92.77	44.05	4.89	24.97	25.22

TABLE 5L: AY-25329					
Timepoint(s): 6 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935823.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23322	92.74	531.73	9.16	556.05	147.05
15492	92.71	194.3	8.2	296.79	115.29
7936	92.69	26.7	5.75	53.19	17.83
13186	92.66	145.03	24.68	77.59	34.26
19254	92.63	78.8	16.8	163.36	70.41
16180	92.63	313.11	16.24	447.96	132.57
4314	92.58	581.98	18.89	454.57	118.14

TABLE 5M: BI-LIVER TOXIN  
Timepoint(s): 168, 336 hrs

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
573	99.95	40.86	31.26	896.05	342.76
16426	98.73	153.28	10.91	404.41	119.86
683	98.65	732.58	101.14	160.15	123.07
4866	98.44	58.74	24.69	413.23	406.15
1479	98.44	97	8.07	297	94.77
1793	98.22	2741.37	246.03	1154.2	611.17
17080	98.06	194.31	9.79	345.18	88.83
12020	98.01	452.18	77.57	162.92	68.1
12019	97.77	93.8	25.49	21.69	15.35
24860	97.72	1100.32	127.02	387.9	269.7
4312	97.69	416.83	132.18	62.43	149.23
1478	97.69	163.67	14.87	424.08	118.96
12682	97.67	79.05	63.79	1008.14	481.85
15113	97.61	886.3	53.03	518.37	152.87
1794	97.56	5751.39	941.37	2160.23	1255.94
16427	97.37	62.04	13.17	223.4	81.87
6155	97.24	105.36	15.91	275.91	110.92
21595	97.19	169.42	60.29	32.1	37.43
17506	97.11	105.56	21.71	31.71	72.38
16781	97	565.92	57.82	328.2	126.03
15571	96.95	20.98	7.92	136.96	374.13
17281	96.87	330.14	29.37	629.22	191.57
16448	96.82	47.05	13.47	130.14	47.67
21968	96.82	292.73	48.83	154.3	63.34
11692	96.79	168.31	21.93	65.64	96.66
23711	96.66	388.27	76.76	182.86	279.42
13157	96.55	165.11	70.49	40.42	48.73
26150	96.42	59.8	68.6	955.38	761.82
1955	96.37	183.79	59.05	62.73	35.45
17703	96.34	199.28	17.25	346.38	81.49
18726	96.31	145.27	29.51	363.35	114.96
17079	96.29	549.49	52.57	871.34	166.2
1796	96.21	614.82	119	237.13	179.21
22824	95.86	115.71	17.87	214.57	55.96
8789	95.84	288.79	19.27	182.49	76.4
10529	95.84	22.39	8.22	110.84	49.73
22717	95.54	53.38	5.07	101.61	46.15
3661	95.52	396.98	37.77	200.82	83.43
12192	95.36	112.15	9.74	192.87	52.01
43	95.36	234.98	30.93	435.92	131.44
21096	95.33	747.69	161.69	336.73	153.67
15136	95.2	766.5	28.26	587.64	293.81
11691	95.17	226.18	31.73	108.8	93.44
23124	95.12	130.25	6.37	186.38	39.6
13614	95.04	385.95	29.07	250.5	68.34
20703	94.96	882.77	200.77	448.37	482.57
14191	94.96	118.67	10.17	68.02	26.33
23646	94.77	204.69	32.38	82.51	67.31
5874	94.72	59.69	5.38	120.67	51.45
6156	94.54	40.08	6.35	92.59	64.24
19443	94.48	599.96	202.12	1369.67	434.97

TABLE 5M: BI-LIVER TOXIN					
Timepoint(s): 168, 336 hrs					
Attorney Docket 44921-5098-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21827	94.46	121.26	4.76	164.02	37.74
1246	94.43	47.88	3.7	78.25	30.44
19706	94.38	67.48	10.13	30.13	19.71
22586	94.35	11500	1785.98	4561.91	3570.54
853	94.32	298.53	14.59	456.77	239.61
15515	94.3	616.43	45	455.34	83.14
7554	94.24	82.53	10.47	143.28	40.01
21054	94.16	177.38	38.97	516.87	208.34
7362	94.14	1466.72	176.62	935.59	278.87
16926	94.08	120.09	28.97	305.29	126.98
16854	94.08	112.58	12.71	169.83	38.85
24310	94.06	38.51	18.25	110.27	39.56
15125	94.03	2727.66	290.06	1645.09	621.03
15408	93.98	397.6	32.86	292.17	165.3
8068	93.98	363.5	56.52	191.57	92.17
13574	93.95	143.06	26.21	306.76	94.04
20707	93.9	1207.87	255.58	603.97	297.55
17566	93.85	1835.92	249.26	1057.65	368.46
3775	93.71	39.87	3.85	69.47	27.56
6968	93.69	266.85	15.02	192.93	49.28
1870	93.69	106.51	12.85	61.12	25.81
17880	93.63	83.82	5.38	125.89	29.74
1869	93.61	1814.7	97.21	1264.22	350.08
15126	93.58	2125.79	222.7	1272.66	537.88
16435	93.55	535.9	24.83	403.47	93.45
18301	93.55	30.49	13.9	148.39	94.64
5923	93.55	372.72	61.68	221.24	74.81
18719	93.53	2406.44	389.84	1329.6	500.92
7635	93.45	92.29	4.51	127.07	27.72
14878	93.45	71.05	13.17	33.95	36.99
13930	93.42	228.98	25.24	147.37	105.93
22931	93.42	28.54	5.42	138.83	97.26
13634	93.4	1490.75	94.57	1118.76	357.13
10573	93.4	140.75	13.55	83.18	45.09
1868	93.4	1409.6	212.41	857.15	256.97
20187	93.34	43.66	3.42	24.85	15.54
23183	93.34	397.93	109.57	215.41	90.85
20877	93.34	116.54	19.27	472.07	285.13
7860	93.32	66.89	9.08	31.98	26.02
4254	93.29	4223.17	314.23	4012.97	2554.86
18522	93.29	333.1	12.28	429.43	125.27
11830	93.26	835.12	63.14	624.63	257.61
15239	93.26	808.08	44.68	627.88	245.95
6555	93.21	171.29	12.58	253.74	68.64
5350	93.18	267.65	12.75	380.08	99.71
17248	93.18	2233.53	133.45	1660.21	362.81
11115	93.18	1719.57	222.6	648.09	564.18
21623	93.13	1132.98	45.92	1504.15	337.39
17171	93.13	497.76	71.39	284.97	175.87
20913	93.05	78.46	17.25	273.01	346.8
15127	93.02	1302.98	314.69	691.16	325.11

TABLE 5M: BILIVER TOXIN					
Timepoint(s): 168, 336 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18989	92.94	1976.87	94.38	1475.98	691.72
24362	92.92	2871.6	340.5	2973.44	1815.27
17078	92.89	322.6	20.8	456.1	100.23
1914	92.68	45.51	7.36	85.31	36.53
12193	92.63	87.72	8.03	128.41	28.16
22538	92.57	325.88	11.61	259.15	77.22
1409	92.57	264.92	29.36	411.46	113.92
20789	92.49	443.55	35.85	673.38	228.8
25594	92.36	195.12	16.73	283.13	61.84
8106	92.31	46.2	6.91	79.31	24.08
13575	92.25	41.04	12.78	113.51	48.31
15017	92.23	4420.78	385.43	3977.04	2711.34
1508	92.2	1839.25	77.24	1367.43	415.42
19085	92.07	122.42	12.52	86.69	46.54
17785	92.02	4816.04	469.15	4272.22	3218.5
4212	91.99	4273.88	388.33	4064.69	2676.34
24535	91.96	373.56	42.75	609.46	205.83
794	91.94	598.14	61.95	802.79	228.92
635	91.94	2286.92	135.12	1571.58	485.76
20865	91.86	149.14	21.8	89.57	95.24
32	91.83	193.62	23.56	297.56	83.27
23710	91.78	76.45	17.06	41.87	130.93
16217	91.75	276.74	36.95	451.44	151.46
11116	91.72	2683.93	361.98	958.83	1094.24
25469	91.72	542.02	229.71	1632.97	751.8
16274	91.7	4187.52	545.38	4094.62	2902.22
25559	91.64	28.16	10.89	72.69	33.49
109	91.54	4415.15	298	3931.89	2216.92
19256	91.54	193.36	30.87	366.45	141.56
16305	91.54	1718.66	238.74	1142.91	358.01
24537	91.51	674.81	25.86	844.92	185.9
1854	91.41	3230.9	479.06	1970.86	958.83
17922	91.38	95.48	13.42	42.97	59.39
26029	91.3	25.39	3.26	198.84	331.87
6109	91.19	3670.01	391.99	3589.09	2270.45
17109	91.11	5260.98	737.76	4958.78	4395.68
1850	91.03	3844.53	525.52	2465.64	1105.37
23709	91.03	266.31	39.91	177.19	250.67
16221	90.9	33.13	3.91	63.17	27.99
20182	90.8	77.53	3.31	60.98	28.55

TABLE 5N: EICALUTAMIDE					
Timepoint(s): 6, 24, 168 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1794	94.05	7427.84	2543.95	2137.17	1182.95
1793	93.79	3555.66	1202.78	1143.5	578.82
1795	93.25	1877.82	801.13	523.93	352.85
3121	92.34	1223.64	178.94	815.66	248.41
15879	91.94	423.59	48.33	311.56	83.55
20707	91.2	1302.5	270.68	601.38	294.17
6072	90.71	2568.8	273.68	1857.14	458.38
18719	90.49	2528.93	425.29	1325.32	495.38
15124	89.87	2184.68	296.87	1345.33	442.81
21015	89.57	4631.18	764.51	2915.46	1042.21
12300	89.05	5118.84	928.66	2842.92	1160.02
22030	88.82	13466.57	1801.84	8082.94	4246.36
5907	88.66	480.37	34	376.69	94.25
17541	88.44	2661.26	403.65	1623.43	636.28
7892	88.12	1071.22	69.29	821.81	218.52
18728	88.11	68.19	10.19	99.31	24.37
15987	87.82	60.44	22.33	24.85	42.46
1623	87.73	24.55	3.22	39.49	15.06
15107	87.63	7407.83	1006.58	3915.34	2637.96
7881	87.51	1548.39	310.74	935.03	347.66
24229	87.35	4789.35	635.23	2973.05	1208.82
7891	87.27	261.97	35.47	166.08	65.8
7460	87.17	15045.77	2149.01	8304.35	5705.98
17408	87.12	2263.76	190.08	1667.19	515.83
10893	87.03	1661.61	341.83	766.67	545.96
3406	87	272.48	56.72	167.79	62.48
25400	86.99	2864.27	395.4	1665.52	936.78
18989	86.96	2768.68	658.79	1468.9	683.07
15211	86.84	625.27	52.85	458.35	139.66
2970	86.84	4173.45	739.92	2286.92	1082.47
18717	86.83	1561.21	356.13	828.61	318.5
22139	86.79	836.39	76.66	625.53	135.77
8720	86.75	37.63	10.52	78.99	38.73
202	86.7	56.51	7.34	84.25	25.95
10625	86.63	3166.14	592.44	1894.09	758.53
8212	86.62	2734.92	303.96	1975.83	730.93
12299	86.52	1594.94	119.48	1158.72	300.25
15224	86.51	924.77	53.65	802.99	219.04
11623	86.46	4860.16	399.89	3556.52	1417.32
6132	86.41	704.47	54.86	526.15	145.58
20502	86.3	4281.17	395.39	3216.14	915.05
15125	86.27	2886.76	470.72	1640.53	615.99
19711	85.98	143.56	18.42	209.77	71.87
8207	85.98	41.56	7.46	64.43	20.12
2969	85.96	3867.38	685.26	2122.69	1020.38
25525	85.91	1894.47	314.56	1344.71	365.38
15677	85.84	156.77	26.48	243.81	122.2
8211	85.79	3773.15	570.2	2362.03	1110.56
5996	85.75	128.57	25.59	230.41	78.61
20876	85.75	3075.43	361.89	2076.77	610.83
6832	85.54	160.46	27.27	115.4	68.12



**TABLE 5N: BICALUTAMIDE** Attorney Docket 44921-5038-01-WO  
Timepoint(s): 6, 24, 168 hrs Document No. 1935828.1

GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16947	85.43	1621.03	179.12	1149.72	321.34
21904	85.35	5411.5	847.65	2989.45	1586.66
20846	85.32	3770.81	301.11	2728.35	862.49
6050	85.31	73.92	21.97	141.83	61.38
20716	85.28	2021.87	149.83	1639.27	475.21
16203	85.27	116.04	19.61	78.78	34.59
19425	85.13	14923.53	2865.23	9631.12	5918.03
14042	85.1	14415.82	2361.66	7961.54	5331.78
17560	84.89	440.74	90.35	736.93	328.47
14518	84.87	471.14	96.59	281.7	148.03
8422	84.87	133.99	48.42	46.41	75.1
10626	84.86	3005.78	592.33	1670.17	646.71
12363	84.86	220.65	34.33	291.82	61.88
21156	84.61	8740.95	909.29	5062.58	2984.97
2794	84.55	319.84	70.01	165.04	102.47
8711	84.51	70.08	14.39	29.96	46.12
24221	84.49	182.98	33.98	278.21	82.66
11151	84.46	319.39	68.02	509.45	187.63
25768	84.43	90.39	13.5	129.43	42.46
18299	84.41	78.66	11.12	105.73	25.03
14232	84.39	1037.13	113.39	741.52	338.42
5619	84.33	228.16	57.74	432.05	224.14
14887	84.32	642.65	246.6	291.81	246.83
20350	84.29	185.45	14.52	236.81	65.71
17672	84.21	2759.77	246.68	2106.24	520.92
18269	84.19	120.93	10.11	161.79	56.6
7505	84.09	119.14	8.62	138.98	45.63
10624	83.98	2532.34	675.55	1362.87	597.43
16625	83.93	258.17	44.43	347.18	83.93
18178	83.91	1643.49	313.34	1018.88	554.33
11888	83.91	222.84	36.37	140.6	60.97
17240	83.89	5699.55	568.11	3668.94	1524.15
7345	83.87	73.46	33.15	30.49	39.29
18730	83.87	4656.36	542	2888.16	1610.43
746	83.86	163.45	16.62	124.92	82.02
21013	83.86	4245.02	573.44	2603.84	1213.19
4445	83.86	709.56	55.38	567.34	114.22
15126	83.85	2079.29	356.39	1270.26	536.46
19	83.79	370.6	75.31	594.04	214
4275	83.71	2117.94	188.53	1794.05	418.04
24362	83.69	4405.66	546.52	2963.15	1813.82
1796	83.67	575.67	203.3	236.19	178.15
22029	83.62	8511.75	1137.95	5380.71	2936.67
4683	83.61	109.52	18.98	168.35	88.94
9307	83.57	10936.02	1566.71	6220.22	3313.7
20305	83.56	28.53	10.33	61.45	30.06
2387	83.55	387.6	71.54	226.74	142.55
1804	83.49	4039.69	1057.77	2595.31	1264.11
21014	83.47	1662.37	358.7	1038.16	348.06
14346	83.43	1994.85	202.58	1523.91	364.31
10622	83.42	2853.67	728.68	1546	690.79

TABLE 5N: BICALUTAMIDE					
Timepoint(s): 6, 24, 168 hrs					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1421	83.37	117.49	7.85	139.01	24.32
15069	83.35	1387.87	305.59	897.77	381.74
17433	83.34	138.7	13.95	184.59	54.78
23192	83.29	134.87	24.55	218.67	86.27
17556	83.09	1606.64	280.26	1006.16	481.15
10623	82.97	2005.32	424.98	1097.51	498.68
20464	82.94	2338.81	290.91	1776.86	559.41
17676	82.88	5304.82	859.63	3094.37	1638.93
18861	82.83	1041.37	175.77	641.02	251.92
21690	82.76	36.14	7.11	63.03	32.92
16043	82.65	95.36	12.38	131.18	46
15642	82.6	252.02	39.37	377.41	160.74
16257	82.57	758.92	115.75	492.54	165.07
3915	82.57	35.58	6.37	52.49	20.26
15371	82.54	201.09	28.22	278.09	80.74
21903	82.48	2069.84	261.63	1522.58	488.06
17561	82.46	130.52	39.79	261.8	145.07
15516	82.38	119.81	19.44	175.08	58.5
8266	82.34	6200.92	1006.15	3536.09	2242.88
2979	82.34	192.53	12.42	233.67	65.71
1550	82.34	246.3	48.26	432.34	211.98
145	82.29	45.36	8.46	73.42	26.12
17083	82.28	49.53	8.95	73.48	28.69
18346	82.25	187.44	26.93	145.18	49.14
3439	82.21	43.01	7.52	78.15	40.33
18302	82.18	21.45	18.24	147.96	138.26
580	82.17	66.16	24.39	114.68	47.09
18357	82.16	278.1	27.48	355.74	87.59
9135	82.1	804.84	34.31	747.49	136.44
1481	82.04	40.66	7.52	58.58	29.87
24873	82.04	21.89	6.18	40.49	28.79
14981	82	6242.22	1306.4	3413.53	2306.41
18287	81.96	61.69	14.03	83.29	21.27
25430	81.94	420.24	84.04	621.61	179.45
1133	81.81	97.56	14.52	133.43	29.21
19252	81.64	439.95	35.68	520.58	190.73
24798	81.64	410.66	52.61	572.33	199.49
22860	81.59	41.46	4.52	54.77	24.35
19727	81.55	1824.09	189.5	1387.45	423.02
24345	81.53	100	48.46	266.4	301.58
6477	81.52	2966.73	343.57	2259.65	866.25
17227	81.45	2269.56	339.72	1688.68	379.17
109	81.44	6691.79	944.48	3914.6	2207.46
15225	81.41	1140.81	82.04	978.96	163.38
21287	81.4	55.3	11.32	93.94	42.94
21623	81.39	1767.8	145.19	1500.94	337.77

TABLE 50: CCL4  
Timepoint(s): 24, 48 hrs  
Attorney Docket 44921-5038-01-WO  
Document No. 1935323.1

GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20589	99.76	285.48	30.99	24.54	23.07
16457	99.73	470.97	44.85	167.97	77.14
17167	99.68	5178.1	150.52	2756.96	666.96
8152	99.6	209.7	21.22	66.44	19.21
23631	99.58	162.76	37.05	37.36	34.49
13486	99.5	107.55	14.39	30.27	19.34
18800	99.47	220.37	68.88	22.97	143.66
15185	99.47	572.3	212.35	59.45	96.47
19191	99.42	3081.98	281.59	1107.03	351.19
4095	99.42	334.45	75.27	42.2	33.29
21802	99.42	99.74	8.27	26.94	14.93
16394	99.39	504.35	120.83	116.09	195.85
497	99.39	903.77	160.27	139.13	134.28
574	99.39	721.07	264.86	92.78	161.18
17158	99.39	347.11	70.42	52.67	31.52
23731	99.36	417.48	161.01	131.4	47.37
21097	99.36	285.19	53.54	926.43	391.36
18002	99.36	403.4	125.9	2317.53	794.7
11161	99.36	117.22	13.58	602.61	326.01
19456	99.36	1660.02	1205.05	20.54	95.38
4011	99.34	527.49	75.12	1822.06	678.03
4048	99.34	2846.7	1989.92	44.06	171.31
3909	99.31	174.34	42.84	28.67	20.5
2853	99.31	278.11	50.48	57.12	44.26
22321	99.31	1034.74	210.81	74.36	94.79
21091	99.26	623.69	96.26	1770.23	507.1
4097	99.26	263.24	88.27	36.49	20.82
12035	99.23	89.36	11.02	35.4	33.7
24873	99.23	124.37	37.27	40.1	28.33
11376	99.23	133.05	22.83	27.41	20.87
2765	99.23	260.19	96	37.57	20.85
18385	99.23	271.47	82.96	21.11	27.27
17809	99.2	138.05	18.67	42.94	19.7
17255	99.2	82.42	17.35	25.88	10.71
12551	99.2	37.47	8.02	233.51	77.8
2042	99.18	211.79	40.46	33.86	43.65
2854	99.18	853.85	128.76	286.5	83.26
20745	99.15	892.06	139.28	306.7	77.28
19241	99.13	355.33	97.66	120.88	42.78
19177	99.1	137.75	32.42	25.22	14.26
20816	99.07	1019.58	230.25	245.42	387.38
12160	99.07	262.93	35.56	1123.31	1303.12
2107	99.07	249.59	34.94	95.72	43.88
4161	99.07	89.58	15.59	32.62	11.9
3895	99.07	223.53	60.87	26.67	20.62
14840	99.07	357.86	84.7	71.81	35.16
4049	99.07	1765.48	771.38	128.18	255.17
17156	99.05	92.63	21.28	38.99	12.56
4243	99.05	225.42	22.45	97.19	45.5
21836	99.05	71.79	5.88	28.13	19.58
17597	99.05	86.53	13.25	32.96	17.94

TABLE 50: CCL4  
Timepoint(s): 24, 48 hrs  
Attorney Docket 44921-5033-01-WO  
Document No. 1935828.1

GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
7650	99.05	601.79	420.83	103.99	49.6
20046	99.05	198.16	63.71	22.02	16.78
4989	99.02	304.32	166.99	31.37	26.09
23888	99.02	446.63	122.13	117.08	47.54
22592	99.02	514.18	140.45	50.74	74.67
19275	99.02	1670.22	501.53	331.86	116.41
4491	99.02	542.45	121.66	150.64	59.23
23422	99.02	151.44	30.13	46.26	17.79
16214	99.02	334.63	115.4	34.15	22.73
17502	99.02	348.41	53.33	82.6	48.29
14929	99.02	637.11	220.64	120.24	82.41
25279	99.02	496.15	54.54	191.34	86.99
1515	98.99	95.07	15.48	29.56	25.65
20421	98.99	79.9	6.49	30.5	13.91
5175	98.99	562.37	196.99	39.14	56.63
22914	98.97	370.58	104.59	1189.83	517.96
2781	98.97	218.31	71.67	71.93	28.47
17252	98.97	113.22	31.19	686.73	282.63
23013	98.97	736.28	141.4	230.55	65.66
4115	98.97	461.45	58.8	90.51	97.93
4490	98.97	1208.15	311.74	303.14	130.31
9905	98.97	207.38	32.01	648.5	149.74
20523	98.94	141.86	28.49	48.93	68.73
806	98.94	986.16	197.8	3463.02	1178.93
7197	98.94	127.57	63.16	24.67	15.73
1411	98.94	253.31	36.52	99.86	32.14
2242	98.94	530.4	147.21	2436.78	879.36
19040	98.94	499.95	257.94	39.49	52.72
21416	98.94	176.76	29.04	52.11	29.38
21509	98.91	915.77	390.92	149.46	106.8
11551	98.91	139.38	20.46	35.72	20.04
16650	98.91	454.37	142.76	57.68	51.82
20869	98.91	480.31	171.59	59.09	42.26
926	98.89	200.69	71.02	35.79	20.13
9720	98.89	172.43	47.4	35.78	20.62
14199	98.89	391.66	126.21	117.81	50.88
9821	98.86	208.17	33.37	70.73	26.68
23173	98.86	801.47	225.72	167.05	112.5
16969	98.86	75.6	54.32	1150.05	635.09
4856	98.86	172.16	44.6	42.65	22.1
883	98.86	848.96	82.27	370.18	92.68
17308	98.83	43.68	2.64	20.59	10.92
23981	98.83	1705.16	517.61	551.57	116.96
7733	98.83	586.28	170.02	213.72	62.46
1552	98.83	79.78	37.77	586.52	212.68
13563	98.81	330.67	91.66	1186.6	355.12
8025	98.81	1203.06	168.3	426.94	149.1
21230	98.81	369.8	61.96	53.28	86.54
1841	98.78	123.23	11.06	47.29	52.59
23274	98.78	1121.44	93.96	609.78	118.13
10015	98.75	533.36	186	137.6	46.15

TABLE 50: CCL4					
Timepoint(s): 24, 48 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935323.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
25257	98.73	537.67	102.07	98.03	63.7
15296	98.73	590.45	94.8	209.31	73.55
18630	98.73	90.46	14.25	28.7	18.76
10016	98.7	486.78	139.46	91.24	43.4
1427	98.7	90.18	15.72	28.02	18.46
1551	98.7	185	68.69	1028.7	367.63
7063	98.67	581.57	155.71	91.28	94.21
12797	98.67	63.04	7.65	20.62	13.07
25252	98.65	581.13	92.91	218.96	92.84
6107	98.65	351.6	64.71	92.09	54.37
14423	98.65	111.52	12.27	40.86	18.71
14881	98.62	258.45	173.76	1707.06	632.12
20868	98.62	321.77	139.65	41.26	31.89
17083	98.62	191.42	37.46	72.94	27.86
20746	98.62	983.99	159.57	420.92	108.26
15888	98.59	437.42	128.64	166.03	140.1
9841	98.59	802.14	181.07	2173.19	559.23
17130	98.57	234.05	49.82	87.56	27.43
19768	98.57	803.38	85.45	280.49	123.06
15242	98.54	84.2	7.61	46.06	13.16
1514	98.54	160.57	24.32	53.41	22.36
8439	98.54	86.24	21.43	21.87	10.87
20783	98.54	374.46	183.68	51.27	35.52
14121	98.54	757.87	159.09	217.11	97.55
20587	98.54	447.45	94.39	1017.11	250.9
3831	98.54	137.89	28.1	34.12	23.94
1550	98.52	50.04	25.96	432.28	211.08
13973	98.49	168.72	55.33	23.24	17.55
16444	98.49	336.2	97.41	122.7	48.5
15884	98.49	380.9	101.28	92.55	59.83
4361	98.49	122.16	18	57.58	32.58
17727	98.49	68.34	13.03	26.16	9.88
1795	98.46	61.54	32.04	534.73	374.12
11170	98.46	1302.3	114.63	634.55	170.6
16118	98.46	89.6	33.52	27.51	11.01
21696	98.46	438.37	58.6	180.59	68.47
405	98.46	282.14	87.98	943.86	194.02
12606	98.44	209.17	47.17	741.89	238.25
18165	98.44	49.88	7.39	21.58	10.52
17157	98.44	105.66	29.75	23.15	16.21
21060	98.44	153.13	49.66	43.48	27.52
14882	98.41	215.48	141.39	1303.65	412.9
7427	98.41	175.14	40.76	32.3	29.79
13499	98.41	174.49	27.28	50.56	36.82
13974	98.41	1201.76	365.51	226.06	115.51
1435	98.41	977.21	211.92	241.19	148.7
588	98.41	216.49	61.88	940.43	268.63
3549	98.38	502.59	114.28	200.54	80.15
20298	98.38	182.9	39.99	509.96	151.7
1570	98.38	285.96	141.46	99.06	44.13
17854	98.36	91.36	13.14	30.41	15.46

TABLE 5P: CCL4  
Timepoint(s): 24, 48 hrs

Attorney Docket 44921-5038-01-WO  
Document No. 1935823.1

GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16457	99.73	470.97	44.85	167.97	77.14
17167	99.68	5178.1	150.52	2756.96	666.96
23631	99.58	162.76	37.05	37.36	34.49
13486	99.5	107.55	14.39	30.27	19.34
15185	99.47	572.3	212.35	59.45	96.47
18800	99.47	220.37	68.88	22.97	143.66
21802	99.42	99.74	8.27	26.94	14.93
4095	99.42	334.45	75.27	42.2	33.29
19191	99.42	3081.98	281.59	1107.03	351.19
17158	99.39	347.11	70.42	52.67	31.52
497	99.39	903.77	160.27	139.13	134.28
16394	99.39	504.35	120.83	116.09	195.85
19456	99.36	1660.02	1205.05	20.54	95.38
11161	99.36	117.22	13.58	602.61	326.01
18002	99.36	403.4	125.9	2317.53	794.7
21097	99.36	285.19	53.54	926.43	391.36
23731	99.36	417.48	161.01	131.4	47.37
4011	99.34	527.49	75.12	1822.06	678.03
3909	99.31	174.34	42.84	28.67	20.5
21091	99.26	623.69	96.26	1770.23	507.1
18385	99.23	271.47	82.96	21.11	27.27
2765	99.23	260.19	96	37.57	20.85
11376	99.23	133.05	22.83	27.41	20.87
24873	99.23	124.37	37.27	40.1	28.33
12035	99.23	89.36	11.02	35.4	33.7
17255	99.2	82.42	17.35	25.88	10.71
17809	99.2	138.05	18.67	42.94	19.7
2042	99.18	211.79	40.46	33.86	43.65
20745	99.15	892.06	139.28	306.7	77.28
19177	99.1	137.75	32.42	25.22	14.26
14840	99.07	357.86	84.7	71.81	35.16
3895	99.07	223.53	60.87	26.67	20.62
4161	99.07	89.58	15.59	32.62	11.9
2107	99.07	249.59	34.94	95.72	43.88
12160	99.07	262.93	35.56	1123.31	1303.12
20816	99.07	1019.58	230.25	245.42	387.38
20046	99.05	198.16	63.71	22.02	16.78
7650	99.05	601.79	420.83	103.99	49.6
17597	99.05	86.53	13.25	32.96	17.94
21836	99.05	71.79	5.88	28.13	19.58
4243	99.05	225.42	22.45	97.19	45.5
17156	99.05	92.63	21.28	38.99	12.56
25279	99.02	496.15	54.54	191.34	86.99
14929	99.02	637.11	220.64	120.24	82.41
17502	99.02	348.41	53.33	82.6	48.29
16214	99.02	334.63	115.4	34.15	22.73
23422	99.02	151.44	30.13	46.26	17.79
4491	99.02	542.45	121.66	150.64	59.23
19275	99.02	1670.22	501.53	331.86	116.41
22592	99.02	514.18	140.45	50.74	74.67
4989	99.02	304.32	166.99	31.37	26.09

TABLE 5P: GCL4  
Timepoint(s): 24, 48 hrs

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GCLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
5175	98.99	562.37	196.99	39.14	56.63
20421	98.99	79.9	6.49	30.5	13.91
1515	98.99	95.07	15.48	29.56	25.65
9905	98.97	207.38	32.01	648.5	149.74
4490	98.97	1208.15	311.74	303.14	130.31
4115	98.97	461.45	58.8	90.51	97.93
17252	98.97	113.22	31.19	686.73	282.63
22914	98.97	370.58	104.59	1189.83	517.96
2242	98.94	530.4	147.21	2436.78	879.36
1411	98.94	253.31	36.52	99.86	32.14
7197	98.94	127.57	63.16	24.67	15.73
806	98.94	986.16	197.8	3463.02	1178.93
20523	98.94	141.86	28.49	48.93	68.73
20869	98.91	480.31	171.59	59.09	42.26
11551	98.91	139.38	20.46	35.72	20.04
21509	98.91	915.77	390.92	149.46	106.8
14199	98.89	391.66	126.21	117.81	50.88
9720	98.89	172.43	47.4	35.78	20.62
926	98.89	200.69	71.02	35.79	20.13
883	98.86	848.96	82.27	370.18	92.68
16969	98.86	75.6	54.32	1150.05	635.09
9821	98.86	208.17	33.37	70.73	26.68
1552	98.83	79.78	37.77	586.52	212.68
7733	98.83	586.28	170.02	213.72	62.46
23981	98.83	1705.16	517.61	551.57	116.96
17308	98.83	43.68	2.64	20.59	10.92
21230	98.81	369.8	61.96	53.28	86.54
8025	98.81	1203.06	168.3	426.94	149.1
13563	98.81	330.67	91.66	1186.6	355.12
23274	98.78	1121.44	93.96	609.78	118.13
22645	98.78	233.57	10.3	124.76	45.89
14656	98.78	92.13	13.9	30.57	14.78
1841	98.78	123.23	11.06	47.29	52.59
10015	98.75	533.36	186	137.6	46.15
23773	98.75	500.29	249.56	63.12	49.17
15121	98.75	1228.37	478.76	464.93	137.55
17489	98.75	659.58	278.22	117.37	82.5
18630	98.73	90.46	14.25	28.7	18.76
15296	98.73	590.45	94.8	209.31	73.55
1551	98.7	185	68.69	1028.7	367.63
1427	98.7	90.18	15.72	28.02	18.46
14118	98.7	243.65	86.83	1135.66	461.2
16267	98.67	376.52	22.67	195.26	56.33
7063	98.67	581.57	155.71	91.28	94.21
12797	98.67	63.04	7.65	20.62	13.07
24040	98.67	2606.92	1475.06	564.01	188.03
867	98.67	845.8	252.31	299.25	82.39
12401	98.67	617	333.35	118.67	54.89
12963	98.67	371.78	38.24	171.03	77.17
25252	98.65	581.13	92.91	218.96	92.84
6107	98.65	351.6	64.71	92.09	54.37



TABLE 5P: CCL4  
Timepoint(s): 24, 48 hrs  
Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14423	98.65	111.52	12.27	40.86	18.71
14881	98.62	258.45	173.76	1707.06	632.12
20868	98.62	321.77	139.65	41.26	31.89
17083	98.62	191.42	37.46	72.94	27.86
20746	98.62	983.99	159.57	420.92	108.26
15888	98.59	437.42	128.64	166.03	140.1
9841	98.59	802.14	181.07	2173.19	559.23
17130	98.57	234.05	49.82	87.56	27.43
15242	98.54	84.2	7.61	46.06	13.16
1514	98.54	160.57	24.32	53.41	22.36
8439	98.54	86.24	21.43	21.87	10.87
20783	98.54	374.46	183.68	51.27	35.52
14121	98.54	757.87	159.09	217.11	97.55
20587	98.54	447.45	94.39	1017.11	250.9
3831	98.54	137.89	28.1	34.12	23.94
1550	98.52	50.04	25.96	432.28	211.08
13973	98.49	168.72	55.33	23.24	17.55
16444	98.49	336.2	97.41	122.7	48.5
15884	98.49	380.9	101.28	92.55	59.83
4361	98.49	122.16	18	57.58	32.58
17727	98.49	68.34	13.03	26.16	9.88
1795	98.46	61.54	32.04	534.73	374.12
11170	98.46	1302.3	114.63	634.55	170.6
16118	98.46	89.6	33.52	27.51	11.01
21696	98.46	438.37	58.6	180.59	68.47
405	98.46	282.14	87.98	943.86	194.02
12606	98.44	209.17	47.17	741.89	238.25
18165	98.44	49.88	7.39	21.58	10.52
14882	98.41	215.48	141.39	1303.65	412.9
7427	98.41	175.14	40.76	32.3	29.79
13499	98.41	174.49	27.28	50.56	36.82
13974	98.41	1201.76	365.51	226.06	115.51
1435	98.41	977.21	211.92	241.19	148.7
588	98.41	216.49	61.88	940.43	268.63
20298	98.38	182.9	39.99	509.96	151.7
1570	98.38	285.96	141.46	99.06	44.13
15662	98.36	91.92	14.56	36.5	49.41
15347	98.36	346.75	87.39	117.28	43.88
17854	98.36	91.36	13.14	30.41	15.46
20767	98.33	280.71	144.4	55.47	49.21
17321	98.33	221.21	22.9	97.97	35.41
16456	98.33	358.94	48.34	147.37	53.44
15175	98.33	106.35	12.21	232.4	67.26
13731	98.33	67.28	8.03	25.13	19.29
15295	98.3	440.81	58.59	193.54	57.57
21538	98.28	112.07	31.82	33.42	15.07
22903	98.28	223.21	29.54	114.26	35.65
3404	98.22	285.46	52.41	126.82	42.71
62	98.22	41.02	6.3	118.71	37.35
18068	98.22	124.17	43.49	42.05	13.94
15659	98.2	171.38	51.63	46.45	19.32

TABLE 5P: CCL4					
Timepoint(s): 24, 48 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22374	98.2	331.72	46.32	177.27	47.72
20514	98.2	86.21	16.85	22.41	17.54
20848	98.2	673.73	143.1	258.22	84.72

TABLE 5Q: CCL4  
Timepoint(s): 3, 6 hrs

Attorney Docket 44921-5038-01-WO  
Document No. 1935328.1

GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14664	99.76	377.68	20.92	136.44	44.25
22957	99.5	1374.12	163.04	258.41	141.69
1923	99.47	792.04	81.55	255.07	88.84
22504	99.44	1075.8	276.85	143.28	79.8
13055	99.42	86.48	19.54	478.67	173.07
22266	99.39	466.47	113.24	1709.02	349.89
2787	99.36	1345.7	116.52	547.14	157.98
24019	99.36	166.62	22.91	25.28	25.42
4437	99.34	429.95	104.1	1419.15	416.74
11431	99.31	269.44	41.67	67.29	25.3
23595	99.31	152.68	18.51	36.24	28.72
17337	99.28	158.41	44.56	37.65	65.6
22039	99.28	115.8	13.78	40.16	18.76
4585	99.28	391.85	55.33	1062.9	303.62
3710	99.28	843.51	203.46	86.56	103.18
8278	99.26	199.08	13.67	323.31	50.68
23137	99.26	1045.83	179.14	251.37	107.33
8795	99.23	150.12	17.44	20.65	23.5
25098	99.23	469.56	157.25	29.61	43.11
6678	99.2	337.27	45.6	131.96	108.26
6723	99.2	51.73	8.72	192.66	73.89
2685	99.2	217.79	19.04	91.1	34.76
25934	99.2	145.29	21.13	38.44	16.93
1183	99.2	846.34	270.27	56.91	75.32
21592	99.18	320.8	69.98	1062.3	343.83
15376	99.18	520.6	59.06	184	66.08
9757	99.18	140.3	9.99	283.25	69.59
4663	99.15	598.65	343.4	113.68	53.9
2501	99.15	378.95	51.18	106.63	43.83
8661	99.15	1338.84	728.7	22.74	133.08
3816	99.13	975.32	114.29	376.26	99.16
23157	99.07	247.88	43.05	77.7	31.04
15171	99.07	2247.86	724.98	248.1	258.83
21073	99.05	55.08	27.1	253.6	73.58
7380	99.05	333.92	139.31	78.61	43.69
7806	99.05	181.23	31.25	52.52	28.51
22443	99.05	414.09	134.18	28.2	52.2
17908	99.05	750.32	84.2	70.61	110.14
5200	99.02	142.98	57.87	28.04	15.07
22686	99.02	67.26	6.15	155.42	39.37
21974	99.02	446.28	79.04	174.25	40.46
11549	99.02	435.29	33.69	202.67	63.14
14560	99.02	473.1	197.32	113.37	47.31
3308	99.02	372.22	58.67	160.39	37.36
25907	99.02	239.1	54.52	34.6	32.63
22958	98.99	436.75	110.13	81.89	55.13
13911	98.99	99.9	12.46	30.54	17.1
16576	98.99	351.95	227.31	26.26	25.84
23407	98.99	850.19	261.07	152.52	77.73
12969	98.99	374.35	124.84	38.42	39.79
19613	98.97	797.9	128.77	1866.41	483.03

TABLE 5Q: CCL4  
Timepoint(s): 3, 6 hrs  
Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4898	98.97	207.83	30.39	83.6	28.08
23556	98.97	237.06	26.46	86.48	35.04
19075	98.97	564.28	135.31	140.68	62.52
24234	98.97	965.16	164.42	144.42	112.76
3925	98.94	217.47	61.66	818.72	302.08
8202	98.94	595.06	88.74	240.17	79.72
4115	98.94	515.24	89.29	90.34	97.17
23463	98.91	144.81	17.94	48.66	27.11
4047	98.91	610.16	209.12	91.93	64.22
22625	98.91	1151.84	349.46	93.62	130.86
15313	98.91	228.62	28.55	27.14	35.42
2250	98.89	311.21	148.26	1885.66	742.62
2049	98.89	730.9	175.18	134.47	65.43
3587	98.89	1850.06	625.03	232.47	219.2
1600	98.89	496.31	156.53	36.55	89.46
6440	98.89	865.62	91.27	289.81	138.22
8314	98.89	7011	2073.58	145.07	441.94
15617	98.89	153.23	23.28	27.02	23.72
8850	98.86	273.25	61	69.08	33.51
1247	98.86	394.89	139.48	61.37	110.96
16840	98.86	802.1	147.45	2209.27	578.15
19205	98.86	118.41	35.11	27.46	24.66
2433	98.86	344.09	59.51	112.71	39.33
15303	98.86	146.6	69.04	28.76	14.66
2615	98.86	466.93	51.64	202.4	58.69
19184	98.86	601.55	169.12	86.98	95.83
16318	98.86	1170.15	479.66	88.33	120.67
14424	98.86	1802.74	352.74	87.21	265.6
4942	98.83	204.76	30.06	72.78	32.14
3963	98.83	122.44	35.96	431.95	110.19
16965	98.83	295.15	73.84	101.59	36.59
9150	98.83	1222.88	185.42	541.27	134.79
23538	98.83	693.56	134.81	98.36	102.84
10594	98.81	160.51	23.56	311.73	55.47
13619	98.81	325.05	122.13	79.41	69.85
10108	98.81	207.15	34.02	62.67	30.59
19031	98.81	969.56	549.87	24.91	105.96
23505	98.81	1598.37	236.63	559.86	206.83
2752	98.78	257.48	55.24	905.82	265.7
4894	98.78	358.13	24.19	189.91	52.97
15469	98.78	231.5	17.65	82.35	36.41
20741	98.78	139.6	15.11	21.8	29.6
21230	98.78	419.61	95.31	53.12	85.83
4952	98.78	864.71	114.38	149.09	130.12
20303	98.75	93.9	13.06	25.44	16.35
12965	98.75	309.33	64.95	65.22	43.1
16267	98.75	525.9	87	194.78	53.96
21654	98.75	976.32	105.17	404.54	146.49
8664	98.75	1497.21	561.26	42.14	180.33
17736	98.73	1365.61	587.99	46.77	192.25
4407	98.73	461.09	98.1	143.05	54.81

TABLE 5Q: CCL4  
Timepoint(s): 3, 6 hrs  
Attorney Docket 44921-5038-01-WO  
Document No. 1935823.1

GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18259	98.7	1213.54	406.16	135.53	131.21
21696	98.67	469.43	62.34	180.49	68.07
14004	98.67	336.3	72.49	74.7	60.81
11494	98.67	594.76	151.11	24.69	75.49
6892	98.65	786.52	171.21	184.77	98.16
21380	98.65	240.74	44.41	69.77	31.76
11608	98.65	70.82	12.55	20.79	11.54
17734	98.65	1730.84	626.04	92.49	280.74
24469	98.65	344.48	27.49	623.12	199.62
347	98.65	83.05	10.58	24.94	14.94
25643	98.65	382.31	62.02	125.53	43.81
15266	98.62	628	72.85	308.93	77.73
16081	98.62	1124.18	202.13	125.42	189.81
15616	98.59	613.84	177.95	105.97	80.62
11483	98.57	616.87	252.91	32.8	76.51
17154	98.57	572.08	113	187.41	76.45
18584	98.57	101.66	19.12	27.81	16.21
1475	98.54	1719.67	823.9	78.44	245.8
18396	98.54	250.91	90.16	44.66	45.13
16964	98.52	112.52	41.61	34.67	12.96
21989	98.49	168.48	57.81	60.38	16.42
21123	98.49	288.69	86.67	948.59	277.63
1261	98.46	278.97	35.13	90.83	43.02
18043	98.46	207.91	88.03	23.05	26.35
17779	98.46	200.92	17.81	403.07	139.25
3203	98.46	523.66	63.95	204.56	76.64
14003	98.46	546.55	150.75	155.32	99.91
24596	98.46	261.04	57.85	77	42.84
13499	98.44	247.5	92.07	50.33	35.51
1841	98.44	174.45	18.33	47.12	52.27
20725	98.44	221.69	23.63	434.8	85.77
15839	98.41	159.71	15.04	334.99	86.74
16013	98.41	73.9	13.06	26.63	10.55
17427	98.41	442.23	89.18	1123.17	248.1
2686	98.38	140.88	14	61.31	26.92
651	98.38	235.13	90.07	39.8	45.22
2098	98.36	296.8	52.59	132.48	39.41
17735	98.36	1265.9	560.19	153.75	244.57
22865	98.33	84.22	16.52	33.01	13.62
20917	98.33	384.28	101.08	110.21	46.71
15291	98.33	263.22	103.05	69.99	37.2
20386	98.33	813.63	131.65	253.1	124.03
652	98.3	707.19	168.08	79.9	109.33
21653	98.3	614.7	96.08	263.68	89.49
3430	98.3	861.31	187.29	234.49	133.04
15292	98.28	464.17	85.1	161.74	63.13
3454	98.28	376.24	213.33	70.49	41.75
16535	98.28	394.93	100.18	1180.15	435.02
11405	98.22	110.13	13.67	39.33	19.84
650	98.22	283.36	74.3	43.15	52.24
23343	98.17	72.52	17.26	24.66	13.59

TABLE 5C: GCL4  
Timepoint(s): 3, 6 hrs

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GCLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15487	98.17	235.67	74.15	64.8	29.61
1521	98.14	451.79	70.46	150.77	74.49
24235	98.14	1171	320.47	327.17	162.09
14822	98.14	422.28	113.63	140.33	50.8
15558	98.12	682.77	102.77	308.96	115.38
6891	98.12	1762.35	650.92	539.92	206.62
17599	98.09	148.14	48.1	43.77	27.85
25567	98.09	774.32	282.43	143.18	136.52
3831	98.09	117.78	39.92	34.18	24.15
20708	98.06	95.14	17.14	33.88	18.11
3455	98.06	696.64	186.22	234.44	123.5
15489	98.06	156.9	18.65	76.22	23.38
15265	98.04	519.21	104.55	235.65	75.36
22124	98.04	123	25.48	44.17	18.11
3202	98.04	694.27	103.9	230.56	100.47
23302	98.01	171.94	85.54	36.27	19.41
17226	98.01	597.37	62.52	1107.82	235.64
9815	97.99	215.07	54.25	75	26.83
9745	97.93	52.85	9.28	20.2	8.76
15680	97.93	365.92	76.84	141.95	57.6
15995	97.93	700.19	275.15	100.35	149.2

TABLE 5R: GCL4  
Timepoint(s): 3, 6 hrs  
GCLC  
Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14664	99.76	377.68	20.92	136.44	44.25
22957	99.5	1374.12	163.04	258.41	141.69
1923	99.47	792.04	81.55	255.07	88.84
22504	99.44	1075.8	276.85	143.28	79.8
13055	99.42	86.48	19.54	478.67	173.07
22266	99.39	466.47	113.24	1709.02	349.89
24019	99.36	166.62	22.91	25.28	25.42
2787	99.36	1345.7	116.52	547.14	157.98
4437	99.34	429.95	104.1	1419.15	416.74
23595	99.31	152.68	18.51	36.24	28.72
11431	99.31	269.44	41.67	67.29	25.3
3710	99.28	843.51	203.46	86.56	103.18
4585	99.28	391.85	55.33	1062.9	303.62
22039	99.28	115.8	13.78	40.16	18.76
23137	99.26	1045.83	179.14	251.37	107.33
8278	99.26	199.08	13.67	323.31	50.68
8795	99.23	150.12	17.44	20.65	23.5
25934	99.2	145.29	21.13	38.44	16.93
2685	99.2	217.79	19.04	91.1	34.76
6723	99.2	51.73	8.72	192.66	73.89
6678	99.2	337.27	45.6	131.96	108.26
9757	99.18	140.3	9.99	283.25	69.59
15376	99.18	520.6	59.06	184	66.08
21592	99.18	320.8	69.98	1062.3	343.83
2501	99.15	378.95	51.18	106.63	43.83
4663	99.15	598.65	343.4	113.68	53.9
23157	99.07	247.88	43.05	77.7	31.04
7380	99.05	333.92	139.31	78.61	43.69
21073	99.05	55.08	27.1	253.6	73.58
3308	99.02	372.22	58.67	160.39	37.36
14560	99.02	473.1	197.32	113.37	47.31
11549	99.02	435.29	33.69	202.67	63.14
21974	99.02	446.28	79.04	174.25	40.46
22686	99.02	67.26	6.15	155.42	39.37
5200	99.02	142.98	57.87	28.04	15.07
23407	98.99	850.19	261.07	152.52	77.73
16576	98.99	351.95	227.31	26.26	25.84
13911	98.99	99.9	12.46	30.54	17.1
22958	98.99	436.75	110.13	81.89	55.13
23556	98.97	237.06	26.46	86.48	35.04
4898	98.97	207.83	30.39	83.6	28.08
19613	98.97	797.9	128.77	1866.41	483.03
4115	98.94	515.24	89.29	90.34	97.17
8202	98.94	595.06	88.74	240.17	79.72
3925	98.94	217.47	61.66	818.72	302.08
4047	98.91	610.16	209.12	91.93	64.22
23463	98.91	144.81	17.94	48.66	27.11
6440	98.89	865.62	91.27	289.81	138.22
1600	98.89	496.31	156.53	36.55	89.46
2250	98.89	311.21	148.26	1885.66	742.62
15303	98.86	146.6	69.04	28.76	14.66



TABLE 5R: CCL4  
Timepoint(s): 3, 6 hrs  
Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2433	98.86	344.09	59.51	112.71	39.33
19205	98.86	118.41	35.11	27.46	24.66
16840	98.86	802.1	147.45	2209.27	578.15
1247	98.86	394.89	139.48	61.37	110.96
8850	98.86	273.25	61	69.08	33.51
23538	98.83	693.56	134.81	98.36	102.84
9150	98.83	1222.88	185.42	541.27	134.79
16965	98.83	295.15	73.84	101.59	36.59
3963	98.83	122.44	35.96	431.95	110.19
4942	98.83	204.76	30.06	72.78	32.14
23505	98.81	1598.37	236.63	559.86	206.83
19031	98.81	969.56	549.87	24.91	105.96
10108	98.81	207.15	34.02	62.67	30.59
13619	98.81	325.05	122.13	79.41	69.85
10594	98.81	160.51	23.56	311.73	55.47
21230	98.78	419.61	95.31	53.12	85.83
20741	98.78	139.6	15.11	21.8	29.6
15469	98.78	231.5	17.65	82.35	36.41
4894	98.78	358.13	24.19	189.91	52.97
2752	98.78	257.48	55.24	905.82	265.7
21654	98.75	976.32	105.17	404.54	146.49
16267	98.75	525.9	87	194.78	53.96
12965	98.75	309.33	64.95	65.22	43.1
20303	98.75	93.9	13.06	25.44	16.35
12343	98.75	164	25.68	50.44	26.33
17736	98.73	1365.61	587.99	46.77	192.25
19229	98.73	495.04	292.9	96.51	46.31
2897	98.73	167.15	29.71	44.3	24.37
7414	98.73	742.1	213.43	180.91	85.03
7161	98.73	217.02	58.52	48.34	27.31
4407	98.73	461.09	98.1	143.05	54.81
2226	98.73	133.54	26.66	440.38	119.62
14292	98.7	2440.9	1615.99	423.23	196.11
15557	98.7	274.54	20	470.85	81.77
13261	98.7	171.34	33.82	27.89	39.41
12794	98.7	698.16	263.66	266.05	81.96
14004	98.67	336.3	72.49	74.7	60.81
21696	98.67	469.43	62.34	180.49	68.07
24146	98.67	321.22	15.49	179.9	56.48
17734	98.65	1730.84	626.04	92.49	280.74
25643	98.65	382.31	62.02	125.53	43.81
7524	98.65	1301.15	140.25	573.32	159.78
24388	98.65	696	353.6	146.01	82.84
11608	98.65	70.82	12.55	20.79	11.54
24469	98.65	344.48	27.49	623.12	199.62
15266	98.62	628	72.85	308.93	77.73
4171	98.62	355.59	52.61	155.68	61.97
18999	98.62	412.02	127.59	152.57	54.66
2099	98.62	860.94	104.52	451.67	98.49
11484	98.62	225.2	109.92	24.87	41.91
17154	98.57	572.08	113	187.41	76.45

TABLE 5R: CCL4  
Timepoint(s): 3, 6 hrs  
Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18584	98.57	101.66	19.12	27.81	16.21
18396	98.54	250.91	90.16	44.66	45.13
16964	98.52	112.52	41.61	34.67	12.96
21989	98.49	168.48	57.81	60.38	16.42
21123	98.49	288.69	86.67	948.59	277.63
1261	98.46	278.97	35.13	90.83	43.02
17779	98.46	200.92	17.81	403.07	139.25
3203	98.46	523.66	63.95	204.56	76.64
14003	98.46	546.55	150.75	155.32	99.91
24596	98.46	261.04	57.85	77	42.84
13499	98.44	247.5	92.07	50.33	35.51
1841	98.44	174.45	18.33	47.12	52.27
20725	98.44	221.69	23.63	434.8	85.77
15839	98.41	159.71	15.04	334.99	86.74
16013	98.41	73.9	13.06	26.63	10.55
17427	98.41	442.23	89.18	1123.17	248.1
2686	98.38	140.88	14	61.31	26.92
2098	98.36	296.8	52.59	132.48	39.41
22865	98.33	84.22	16.52	33.01	13.62
20917	98.33	384.28	101.08	110.21	46.71
20386	98.33	813.63	131.65	253.1	124.03
652	98.3	707.19	168.08	79.9	109.33
21653	98.3	614.7	96.08	263.68	89.49
3454	98.28	376.24	213.33	70.49	41.75
16535	98.28	394.93	100.18	1180.15	435.02
11405	98.22	110.13	13.67	39.33	19.84
23343	98.17	72.52	17.26	24.66	13.59
15487	98.17	235.67	74.15	64.8	29.61
1521	98.14	451.79	70.46	150.77	74.49
14822	98.14	422.28	113.63	140.33	50.8
6891	98.12	1762.35	650.92	539.92	206.62
17599	98.09	148.14	48.1	43.77	27.85
20708	98.06	95.14	17.14	33.88	18.11
3455	98.06	696.64	186.22	234.44	123.5
15489	98.06	156.9	18.65	76.22	23.38
15265	98.04	519.21	104.55	235.65	75.36
3202	98.04	694.27	103.9	230.56	100.47
23302	98.01	171.94	85.54	36.27	19.41
17226	98.01	597.37	62.52	1107.82	235.64
9815	97.99	215.07	54.25	75	26.83
17311	97.93	167.58	26.5	76.97	30.44
9745	97.93	52.85	9.28	20.2	8.76
15680	97.93	365.92	76.84	141.95	57.6
15995	97.93	700.19	275.15	100.35	149.2
19768	97.91	783.1	280.56	280.55	122.56
4282	97.91	495.44	106.03	1623.5	555.97
18731	97.85	243.22	32.46	131.34	31.87
15011	97.83	176.79	13.84	82.55	33.07
17530	97.83	71.94	8.5	256.97	108.02
2577	97.83	189.24	25.15	78	31.18
21670	97.8	83.35	21.31	25.73	15.06

TABLE 5R: CGL4  
Timepoint(s): 3, 6 hrs  
GLGC

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23950	97.8	100.27	16.13	40.96	15.41
25618	97.8	542.4	51.08	281.65	140.72
17379	97.77	337.8	34.18	117.76	70.29
25496	97.75	191.87	40.42	88.96	39.35
4327	97.72	159.36	24.83	51.28	33.42
20755	97.72	242.86	61.02	55.3	62.98
25203	97.69	96.94	38.36	24.73	16.47
15083	97.69	80.76	19.1	27.27	14.34
15324	97.69	67.26	11.56	29.55	10.35
21122	97.69	666.25	69.55	1527.72	489.13
4433	97.67	189.09	22.35	104.74	25.81
15426	97.67	151.69	11.27	266.5	62.92
1262	97.64	149.23	23.35	48.6	30.4
16495	97.64	311.33	25.08	557.89	151.32
20518	97.64	42.18	9.55	92.89	28.62
4527	97.61	96.07	31.08	33.33	13.82
21707	97.59	212.82	31.29	40.75	52.01
24295	97.59	29.77	5.61	61.48	15.44
15997	97.59	993.97	330.76	127.05	180.56
20735	97.59	615.07	101.42	188.56	130.36
25279	97.53	376.76	59.87	191.72	88.04
3071	97.53	159.18	39.82	55.55	23.32
18715	97.51	502.95	105.88	195.53	74.69
1764	97.51	164.48	38.37	64.89	25.87
15996	97.48	648.65	145.22	106.83	134.2

TABLE 5S: CHLOROFORM			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935323.1		
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1698	98.51	1026.18	160.21	207.5	206.39
3650	97.58	91.37	23.19	35.71	20.82
11363	97.29	878.58	58.68	502.12	172.77
24048	97.19	914.74	77.01	526.63	176.68
17693	96.58	440.49	118.87	209.5	127.32
21052	96.52	75.18	22.88	292	108.97
17879	96.47	145.62	9.63	292.53	97.44
21054	96.36	154.08	23.04	517.15	208.09
23147	96.13	344.07	62.8	177.07	84.23
13574	96.07	145.4	12.84	306.84	94.01
16331	95.97	383.43	34.37	624.47	138.73
23835	95.94	129.05	12.22	67.5	32.77
19269	95.89	722.37	71.77	478.25	132.04
18642	95.86	380.48	76.72	828.49	218.16
18419	95.83	425.27	19.34	604.62	125.81
4187	95.75	81.61	10.56	25.38	28.98
229	95.73	411.49	47.15	681.58	159.02
5235	95.57	419.63	54.94	277.47	62.34
13164	95.38	4061.26	192.05	3792.73	2475.63
7887	95.3	241.94	25.5	144.43	79.78
16330	95.17	130.26	24.42	278.43	77.95
11321	95.14	319.83	57.09	196.51	49.03
1291	95.04	226.1	24.49	131.87	43.37
2339	94.85	859.71	128.51	534.59	128.92
12312	94.82	423.49	129.08	974.52	266.11
5696	94.75	112.23	29.12	298.61	106.77
23417	94.61	390.49	71.48	229.34	72.03
11291	94.53	45.99	5.76	84.42	26.18
14717	94.53	412	49.52	699.51	156.26
2874	94.51	104.89	10.71	44.65	39.9
6967	94.45	262.45	23.84	401.85	85.39
20386	94.43	406.83	37.75	254.24	127.82
1264	94.24	4746.55	317.98	4273.51	3342.66
16950	94.21	107.88	24.75	50.8	28.44
16922	94.21	446.17	63.09	835.72	195.15
16274	94.19	3918.47	367.71	4095.71	2903.05
1867	94.19	994.23	143.58	628.96	164
18095	94.19	1279.13	265.77	866.9	213.89
1959	94.16	2346.97	266.28	2985.07	1819.98
2632	94.08	197.56	14.25	140.56	30.34
12639	94.03	1480.19	215.18	1100.48	174.35
3167	94.03	490.05	61.74	276.65	104.77
22601	93.98	358.75	64.82	215.51	66.86
13294	93.9	520.88	49.01	347.57	107.05
24135	93.87	210.45	25.46	112.71	98.41
25479	93.87	657.86	120.96	1192.36	283.85
21120	93.68	177.75	26.51	107.33	34.74
17109	93.6	4837.18	479.82	4960.42	4396.98
6632	93.6	396.47	75.47	233.98	99.31
5703	93.5	120.47	15.8	209.61	64.01
1301	93.47	97.12	58.89	1382.83	961.51

TABLE 5S: CHLOROFORM			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935828.1		
GLC#					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14533	93.42	5382.82	597.96	5068.79	4887.41
19300	93.37	126.46	11.79	120.6	105.77
18831	93.29	3838.52	845	2441.18	729.9
16401	93.26	5666.92	728.09	5366.55	5006.22
2486	93.26	296.6	32.75	519.88	164.96
23152	93.23	803.87	39.59	595	262.75
14289	93.23	70.48	8.98	34.7	23.24
9254	93.21	108.58	16.61	184.02	48.24
25701	93.15	71.44	11.51	141.12	46.99
17112	93.13	4738.09	511.73	4697.94	3970.99
21562	93.05	334.43	59.91	619.51	182.78
22686	92.99	224.83	33.67	154.85	39.39
8988	92.94	22.01	12.02	90.11	53.34
22986	92.81	149.8	16.77	92.36	31.79
2578	92.78	232.68	29.72	159.8	49.22
14455	92.75	117.56	37.88	300.46	117.41
22805	92.57	350.99	24.57	271.98	50.87
6357	92.54	354.03	26.07	278.38	40.24
23120	92.54	443.21	51.99	327.64	65.59
15905	92.52	100.56	4.52	78.27	26.87
15017	92.49	4262.1	405.91	3977.48	2712.1
15160	92.49	163.37	17.92	73.92	57.85
14535	92.46	3649.08	394.38	3683.17	2368.35
17297	92.44	705.32	52.18	986.51	213.33
2918	92.41	603.54	61.21	435.77	137.75
14844	92.36	306.74	9.42	273.31	87.62
463	92.33	33.05	3.04	21.01	9.15
14983	92.22	4085.75	509.85	4036.01	3467.2
5242	92.22	63.44	9.39	35.94	23.04
21439	92.17	36.83	20.04	144.12	74.65
22582	92.14	189.83	67.17	438.63	142.34
4093	92.14	817.52	94.67	569.56	162.3
9963	92.12	296.03	91.08	755.79	299.64
6478	92.09	3371.04	241.34	3235.32	1806.55
7681	92.09	187.13	23.86	119.83	151.47
11416	92.09	175.59	22.41	115.85	36.61
2433	92.09	168.23	22.22	113.21	41.39
6237	92.06	351.73	47.56	626.46	217.46
6157	92.06	128.59	63.75	368.4	174.91
2917	92.04	547.9	65.94	385.71	105.91
21965	92.01	397.48	15.52	326.88	111.61
12524	91.99	574.54	70.55	392.09	111.97
24321	91.96	377.58	118.35	802.34	260.94
5150	91.91	347.25	27.13	252.7	100.47
18369	91.88	83.13	17.65	158.24	58.47
25325	91.85	1492.66	266.62	1624.4	1181.5
16132	91.83	3510.5	334.58	3404.46	2228.63
8820	91.81	160.03	74.11	42.21	32.25
2587	91.8	1007.88	165.37	1651.59	458.35
4213	91.75	4768.17	517.28	4465.84	3879.96
16135	91.72	3542.31	360.64	3563.3	2542.93

TABLE 5S: CHLOROFORM					
Timepoint(s): 6, 24 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20864	91.68	2218.86	659.9	463.85	361.94
25439	91.51	2750.3	337.84	2576.24	1801.84
6403	91.51	101.08	23.11	59.16	28.95
25064	91.43	1658.04	147.59	1186.11	356.78
20385	91.43	1284.1	109.61	958.15	280.55
6109	91.35	3458.19	424.55	3589.94	2271.01
17556	91.27	369.94	126.96	1013.01	481.72
19421	91.24	3278.13	238.08	2946.85	1758.3
21152	91.22	4050.56	420.97	3591.86	2480.65
15127	91.08	1100.03	176.98	691.7	326.55
24434	91.08	75.59	41.77	233.63	99.98
6601	91.06	78.16	11.75	47.96	27.24
5622	91.03	1153.47	90.24	1597.32	376.89
14534	90.95	5214.14	638.84	4597.01	3861.97
14003	90.91	358.1	105.3	155.7	101.61
25480	90.87	304.85	92.18	607.01	192.84
17111	90.79	4713.84	648.01	4311.5	3704.57
1247	90.78	191.1	72.3	61.88	112.43
4254	90.71	4197.28	524.51	4012.97	2555.4
23670	90.71	3554.94	587.43	3553.81	2377.51
1958	90.68	3307.6	376.65	3322.31	1947.51
13575	90.66	54.45	8.77	113.49	48.37
15124	90.63	1806.5	204.59	1349.16	447.11
22537	90.63	181.08	56.15	409.14	165.31
18375	90.58	126.1	14.44	91.34	31.59
17512	90.55	321.62	22.21	426.9	102.97
16400	90.5	5044.8	654.29	4459.51	3326.87
25051	90.47	2781.06	275.87	2693.41	1554.51
16275	90.42	3576.01	401.31	3435.09	2264.21
17740	90.31	2314.24	183.74	2197.72	959.51
15535	90.31	709.04	67.82	519.81	136.99
8899	90.31	638.2	71.63	907.27	199.96
15462	90.23	364.1	69.92	546.13	120.02
17092	90.17	165.26	74.28	80.44	46.1
19679	90.15	176.94	67.51	391.26	140.79
20700	90.1	3026.81	303.41	2943.79	1601.29
2078	90.07	154.54	20.05	226.25	56.33
17787	90.02	1425.8	223.77	1563.93	1005.39
6017	89.94	176.77	72.97	784.04	505.84
22025	89.94	2750.39	295.59	2698.62	1739.85
15977	89.92	1258.29	69.49	1481.76	363.87
1529	89.81	375.26	73.84	570.86	127.87
15850	89.81	1621.86	170.59	1236.92	298.98
18597	89.69	1033.3	244.85	603.46	198.84
11635	89.6	165.1	38.21	292.09	88.42
18023	89.57	44.76	4.27	32.69	16.24
4198	89.54	770.56	96.78	1092.04	232.07
24811	89.23	949.05	277.46	1506.63	457.27
1818	89.23	1880.72	160.32	2112.05	832.53
10886	89.12	488.98	188.27	978.76	410.42
17541	89.08	3133.01	516.66	1624.18	633.7

TABLE 5S: CHLOROFORM					
Timepoint(s): 6, 24 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935828.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2010	88.99	2685.61	201.01	2685.53	1264.49
10504	88.93	633.53	107.87	954.15	261.4



TABLE 5T: C1-1000  
Timepoint(s): 6 hrs

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
9348	98.49	1119.06	106.68	240.12	258.7
1689	98.44	11663.03	769.78	4841.79	2231.75
6176	98.33	134.25	5.78	69.69	37.39
26150	98.22	2816.27	190.75	947.13	757.25
18831	98.09	1346.77	61.75	2450.01	734.56
25469	97.93	4103.86	466.15	1622.37	743.26
3695	97.46	84.74	0.74	69.03	32.02
17832	97.24	5980.7	968.47	2559.55	1128.7
17705	97.24	87.47	2.17	131.3	38.88
25468	97.22	5871.4	822.1	2315.04	1088.73
15190	97.19	5805.82	413.05	1830.41	1706.66
2978	97.11	254.71	2.81	200.07	43.28
10084	97.03	325.12	10	208.71	72.05
900	97.01	72.3	0.57	85.65	30.23
1831	96.9	166.28	42.24	65.9	44.07
16448	96.87	221.4	10.34	129.59	47.69
1687	96.85	5019.6	913.56	1963.38	912.68
18702	96.77	30.93	1.62	59.35	24.22
18907	96.66	204.05	60.82	72.17	44.75
19358	96.63	2395.5	432.8	1028.14	440
18973	96.53	408.27	6.44	330.36	81.06
20704	96.5	1935.12	66.06	1302.84	849.41
16518	96.45	321.92	36.91	774.58	339.34
20827	96.45	4685.64	104.07	3331.65	1146.08
8440	96.45	84.28	2	134.58	53.16
16093	96.34	251.65	5.62	330.3	73.8
26029	96.32	524.68	85.69	197.34	331.42
4421	96.26	31.04	0.56	24.91	14.99
2911	96.26	1149.56	10.22	1186.85	363.84
1684	96.24	7293.26	1206.98	2884.54	1702
1588	96.16	125.56	10.3	234.96	84.86
18830	95.52	1531.89	110.26	2709.7	970.19
15192	95.52	643.74	107.72	290.8	246.84
11168	95.42	28.18	3.88	66.66	41.37
15189	95.1	5549.7	1134.44	1652.01	1653.26
1688	95.07	14035.38	1640.74	5499.6	4116.85
1830	95.05	64.95	18.63	21.65	18.89
15191	94.99	4136.71	785.92	1214.16	1325.62
22358	94.86	195.25	6.77	136.73	50.51
18779	94.75	168.9	6.08	115.42	48.42
16106	94.7	31.12	0.59	37.35	9.79
12513	94.62	61.5	2.62	86.95	44.13
15152	94.52	79.23	2	69.15	48.04
22452	94.46	968.4	164.48	398.16	337.68
16799	94.41	49.78	1.54	42.9	28.15
25689	94.36	517.69	30.83	848.73	396.58
17516	94.17	168.93	9.54	250.4	79.22
14934	94.14	55.19	0.68	64.32	15.7
18277	94.12	557.56	20.35	740.89	141.7
7248	94.09	38.08	7.5	89.66	55.5
21941	94.01	344.6	12.95	462.37	110.4

TABLE 5T: CI-1000					
Timepoint(s): 6 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15069	94.01	471.57	80.38	902.27	383.19
17829	93.99	4333.9	486.1	2369.17	1195.49
4424	93.91	56.64	3.41	31.04	23.58
17413	93.83	659.19	23.08	909.61	227.55
20385	93.83	578.63	67.26	960.53	280.5
2335	93.8	431.55	66.41	245.92	87.78
16895	93.77	2649.19	154.93	1709.47	560.22
22628	93.72	25.58	5.22	71.3	35.43
11655	93.69	154.46	4.71	122	38.32
21510	93.69	441.54	47.3	259.53	280.2
13093	93.69	385.88	43.46	911.73	466.4
18565	93.61	162.81	32.41	344.27	115.72
6073	93.61	77.04	28.13	28.03	32.82
12427	93.61	42.62	1.6	23.21	57.07
3062	93.59	4551.37	224.62	3297.83	911.63
23971	93.59	88.18	2.46	94.9	52.37
26213	93.56	1332.94	142.23	726.5	399.92
12614	93.48	39.17	1	38.82	25.57
4373	93.46	159.5	2.17	145.27	29.44
15170	93.46	278.52	15.31	195.95	56.72
14539	93.43	388.71	53.49	224.66	82.82
5597	93.35	124.8	8.27	171.63	43.05
17245	93.32	121.48	25.18	47.7	38.21
14030	93.3	536.36	109.06	216.3	153.4
13092	93.27	90.81	12.54	220.59	123.77
17374	93.24	159.15	4	155.64	47.69
2170	93.24	50.03	3.62	23.51	38.54
18259	93.24	29.7	9.71	139.24	145.94
21520	93.19	62.39	3.52	93.61	37.7
9788	93.19	223.94	22.75	145.14	56.35
3917	93.14	1058.13	61.96	1585.69	511.01
7120	93.14	70.56	21.75	26.15	24.72
17941	93.11	4139.62	121.38	3532.95	1243.32
9038	93.08	166.26	11.73	106.47	49.95
22899	93.06	214.03	22.89	115.34	58.49
3015	93.03	2728.93	62.89	2090.55	844.86
7317	92.98	153.22	26.42	93.94	31.35
6030	92.87	88.81	5.68	50.11	29.67
21691	92.87	207.16	11.93	129.74	71.36
15028	92.87	2666.16	685.31	1745.89	514.79
12638	92.82	38.16	2.07	27.67	11.9
24256	92.82	503.76	41.71	365.09	80.31
6955	92.79	830.1	14.46	764.72	168.6
11138	92.79	152.11	7.87	232.89	112.5
16510	92.77	120.69	14.26	249.77	104.19
4918	92.66	138.77	9.53	207.56	103.06
25460	92.66	558.43	90	1147.68	555.33
20042	92.63	1097.8	125.23	648.75	259.83
24592	92.61	165.39	25.31	80.41	78.32
16947	92.55	1199.72	27.11	1152.83	323.32
1173	92.47	2804.78	316.14	1568.73	699.94

TABLE 5T: CI-1000					
Timepoint(s): 6 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15070	92.26	127.65	24.33	364.34	193.53
23660	92.21	2040.62	192.33	1332.13	418.16
13368	92.08	39.44	3.31	62.97	26.78
25883	91.94	3932.88	355.54	2245.19	1050.2
10887	91.94	93.73	3.33	106.04	32.97
20821	91.89	1644.6	43.84	1449.04	289.09
3879	91.63	2574.07	131.35	1888.13	621.48
14974	91.39	114.7	12.49	66.5	85.23
575	91.28	1380.58	285.09	904.09	309.56
15931	91.12	33.91	1.6	39.37	26.03
10538	91.1	713.55	133.83	338.55	228.89
18897	91.07	62.38	14.08	122.47	46.53
18619	91.02	1416	36.06	1381.4	388.65
5621	91.02	281.77	36.22	181.68	68.52
20928	91.02	100.39	10.77	182.62	104.68
21153	90.91	3700.3	170.48	2825.69	936.69
20998	90.89	1552.14	68.22	1246.06	337.2
25579	90.83	3697.94	615.15	1967.12	1001.84
2667	90.81	806.53	18.41	808.22	201.34
25073	90.81	24.52	1.26	21.97	13.43
20430	90.78	664.84	48.53	824.6	380.17
25257	90.57	40.41	10.14	99.58	68.46
428	90.51	5291.38	342.33	3013.89	1815.85
1175	90.36	1097.38	120.72	629.33	347.89
15980	90.28	46.06	2.82	63.57	23.32
20386	90.25	134.59	21.64	255.2	127.97
16562	90.2	186.65	5.61	206.42	73.55
12422	90.17	49.84	4.02	68.91	21.63
24598	90.14	145.61	5.92	183.15	42.11
8212	90.09	2912.15	248.8	1978.57	730.81
2744	90.06	125.31	14.76	208.22	84.44
20807	89.93	1034.09	39.88	909.72	212.47
25370	89.88	47.15	17.84	156.67	91.78
16178	89.83	119	5.56	154.44	38.67
15803	89.69	55.6	3.15	40.87	24.45
16871	89.64	38.44	2.92	57.14	23.7
25233	89.61	32.66	2.3	42.98	22.17
4244	89.61	105.22	8.16	153.57	49.47
10260	89.59	130.8	10.92	201.6	82.64
20429	89.53	483.9	39.45	624.76	261.28
17693	89.53	134.8	9.36	210.68	128.25
1804	89.48	4358.97	669.93	2600.59	1266.28
18747	89.37	68.97	7.78	156.02	124.22
7040	89.32	31.75	3.06	44.97	24.18
13091	89.27	74.62	13.07	158.55	81.64
13392	89.27	124.91	7.81	147.55	54.97
1130	89.22	3021.37	272.48	2117.73	612.24
15347	89.19	76.44	6.45	118.12	45.9
24861	89.19	50.98	6.44	81.92	34.59
4012	89.16	3659.54	300.47	2434.01	1159.92
43	89.14	336.52	17.02	435.43	131.85

TABLE 5T: CI-1000					
Timepoint(s): 6 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
5798	89.11	95.1	3.6	100.23	35.19
18695	89.11	60.44	12.13	116.06	47.35
16942	89.06	2010.3	92	1432.3	498.76
15376	89	108.63	13.82	185.27	68.68
1876	89	647.53	40.04	773.9	203.34
14004	89	30.98	4.98	75.64	62.63
1602	89	373.48	22.12	466.75	109.45
90	88.98	44.95	7.72	43.45	36.04
21078	88.95	642.09	31.2	738.5	215.53
20126	88.95	47.69	5.61	107.78	76.42
16132	88.95	5548.49	617.73	3399.23	2224.03

TABLE 5U: CLOFIBRATE					
Timepoint(s): 24, 72 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935828.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17758	99.92	4343.21	266.24	350.65	300.88
16148	99.92	4832.38	271.82	1024.63	315.29
20713	99.89	4038.49	187.28	708.32	486.48
20711	99.81	1748.68	109.05	130.53	184.3
20925	99.79	3531.08	358.1	409.89	405.06
18686	99.71	4822.54	404.2	694.99	568.56
20555	99.66	1569.01	201.74	336.43	174.09
18687	99.66	4931.26	383.45	648.45	538.77
18293	99.52	3927.89	314.97	1363.17	422.7
20715	99.52	3850.93	506.36	373.13	383.93
20714	99.52	3691.04	389.06	558.8	680.95
22370	99.5	639.52	35.12	266.37	102.63
23698	99.44	4628.68	846.64	345.13	326.42
23699	99.44	3687.73	615	633.78	254.45
16150	99.36	2966.93	455.8	662.49	244.25
16190	99.34	2283.8	349.19	753.37	196.56
9598	99.28	730.57	294.8	156.27	97.78
26109	99.26	2652.69	536.67	139.36	222.18
4272	99.23	643.72	136.8	32.17	66.91
6613	99.2	1727.55	232.16	715.2	222.62
18175	99.2	1053.29	94.78	495.63	115.6
10909	99.13	3621.5	389.28	1866.09	361.51
320	99.13	4073.6	333.1	2163.76	430.02
18891	99.13	1311.32	273.41	298.09	158.9
11228	99.1	2002.17	324.97	752.04	242.27
18890	99.1	3058.12	535.31	742.82	331.65
4271	99.05	921.87	197.26	57.23	125.9
16703	98.99	2963.52	393.12	1163.55	371.89
16701	98.99	5433.88	638.56	2264.91	695.96
25070	98.99	1029.95	79.96	498.56	126.32
5887	98.99	946.58	182.54	66.01	129.21
9929	98.97	1402.26	95.75	669.81	178.07
22416	98.91	755.3	164.6	144.97	96.33
18742	98.91	1760.78	373.07	341.02	170.33
22603	98.86	824.94	95.95	259.6	106.55
15582	98.83	18064.61	3513.5	5681.19	2782.99
16768	98.81	1244.55	138.88	492.57	157.29
12094	98.78	13551.44	2053.03	4815.03	1760.05
9889	98.67	3584.95	392.45	1740.87	566.84
20554	98.67	1139.45	262.06	260.89	128.06
18958	98.67	1064.17	327.8	323.18	118.77
21010	98.59	2684.13	543.55	670.37	274
22602	98.57	509.16	79.42	120.78	84.99
22604	98.54	3217.77	515.96	1024.21	456.07
26258	98.52	185.22	28.32	62.89	37.76
2457	98.49	1007.51	198.15	249.94	147.3
14595	98.49	543.46	156.29	66.63	78.11
15085	98.44	3859.87	895.71	1423.72	411.39
21355	98.41	2421.28	618.95	294.87	257.53
21354	98.41	3336.63	699.67	416.35	370.25
21078	98.38	1327.23	77.63	736.37	213.03

TABLE 5U: CLOFIBRATE					
Timepoint(s): 24, 72 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
11488	98.38	919.49	146.95	502.88	102.68
17554	98.38	3432.54	274.92	1567.61	599.69
3882	98.36	1464.51	214.6	739.18	257.23
1728	98.33	783.36	128.64	248.59	110.26
16767	98.33	1354.82	126.05	603.35	194.09
18957	98.22	1062.29	324.51	368.96	143.77
8944	98.2	220.96	29.86	48.84	60.94
5602	98.2	1415.65	374.77	203.93	200.91
397	98.14	216.97	70.09	67.64	37.91
20984	98.12	1959.77	170.24	1179.44	298.82
17933	98.12	388.37	45.29	128.26	70.88
9268	98.09	456.37	154.17	158.65	58.95
17907	98.06	326.92	39.31	202.01	75.56
17601	98.06	22.99	7.77	102.61	39.77
21341	98.01	1938.43	241.9	853.21	297.67
6281	97.99	512.37	48.11	324.35	58.67
3917	97.96	3349.54	340.65	1578.68	501.75
3860	97.96	1081.59	238.46	392.5	156.93
23427	97.93	917.62	239.04	313.02	109.95
21730	97.88	598.68	206.3	218.13	71.08
4940	97.83	683.55	132.09	1611.12	445.42
9757	97.8	494.26	56.87	282.13	68.97
14267	97.77	2984.22	680.98	1184.96	371.98
1977	97.72	1020.16	170.93	366.19	168.41
9192	97.69	4096.9	708.35	1616.91	652.35
20705	97.67	221.95	33.02	1030.04	949.07
23884	97.64	925.8	122.04	489.63	135.64
5622	97.64	922.33	62.09	1597.59	375.9
14987	97.61	1228.83	106.11	634	216.18
12071	97.61	265.94	25.71	636.69	183.04
20859	97.59	101.49	17.4	41.86	20.29
7274	97.56	196.38	35.41	76.78	53.53
22598	97.53	497.2	54.98	998.96	358.46
1588	97.53	112.74	10.64	235.05	84.79
7420	97.53	1589.12	124.08	849.99	310.11
2888	97.51	5090.37	1013.68	2667.52	735.19
12095	97.51	4554.54	1260.62	1028.41	963.8
15124	97.51	2386.45	98.41	1347.8	444.17
3279	97.43	1355.2	310.06	696.96	189.95
6439	97.43	552.98	103.15	250.84	106.45
18867	97.43	342.54	49.74	827.42	221.91
3439	97.4	236.56	73.58	77.41	39.17
3121	97.38	1549.14	223.41	816.14	246.95
14608	97.3	458.62	116.38	143.07	79.39
2997	97.3	816.62	190.44	373.39	117.76
19706	97.3	77.93	7.9	30.12	19.66
15580	97.27	4145.83	506.31	2241.47	622.83
9931	97.27	1120.73	160.22	613.76	152.17
15391	97.24	1403.72	60.04	985.38	181.31
16721	97.22	538.92	117.91	259.31	72.3
15755	97.19	359.09	47.16	741.61	180.12

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

TABLE 5U: CLOFIBRATE					
Timepoint(s): 24, 72 hrs					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1448	97.19	1513.44	141.66	1026.35	174.25
20998	97.14	662.89	63.54	1248.73	336.04
20896	97.14	133.96	19.91	51.41	36.24
20915	97.08	1874.74	547.14	531.17	357.71
6780	97.08	1478.51	242.15	784.31	188.66
16546	96.95	483.39	75.63	190.97	85.98
20385	96.9	1722.6	211.5	957.1	277.74
23336	96.74	82.28	13.47	24.34	24.41
15126	96.58	2472.12	192.84	1272.01	536.04
5497	96.47	268.56	52.04	643.53	187.59
9125	96.47	430.68	19.22	637.3	138.22
9423	96.42	406.36	57	816.82	299.71
15601	96.31	542.49	77.82	311.02	81.12
19679	96.24	102.17	46.76	391.28	140.5
4199	96.08	570.28	34.8	893.23	205.08
15409	95.94	1695.04	435.99	596.51	278.51
15125	95.92	3141.59	357.01	1644.35	618.57
16435	95.86	641.65	99.05	403.2	92.68
20789	95.86	301.49	35.02	673.71	228.21
17934	95.84	420.47	70.14	176.47	91.01
19391	95.76	106.23	30.01	320.84	127.13
23344	95.68	198.58	22.06	376.74	127.18
18361	95.63	816.14	113.28	423.56	180.45
4198	95.6	696.37	52.9	1091.93	231.88
5496	95.55	198.29	57.48	493.64	155.04
15408	95.52	882.69	232.18	290.68	161.55
17807	95.52	3710.41	370.55	2042.29	723.87
23778	95.52	104.01	32.08	33.88	44.51
420	95.52	268.23	28.95	117.26	70.6
20807	95.49	1184.2	42.45	909.18	212.05
15175	95.41	354.67	24.95	231.61	67.27
19831	95.33	55.1	5.13	109.2	38.26
16535	95.23	2237.41	263.73	1174.29	432.96
17752	95.2	246.91	27.29	472.26	141.98
2368	95.15	778.62	49.59	1082.87	201.61
11982	94.99	118.82	5.95	186.38	57.29
4407	94.99	65.96	8.89	144.31	57.72
24722	94.91	460.51	72.03	824.22	216.67
4473	94.91	26.49	3.24	55.54	22.35
15872	94.83	207.44	49.53	499.69	169.76
32	94.75	424.08	20.75	296.77	83.18
7927	94.75	76.06	38.92	286.68	116.24
17886	94.75	714.79	133.15	1253.26	424.96
2149	94.67	593.63	63.58	972.93	221.98
3844	94.67	125.56	21.18	66.73	28.7
15127	94.67	1402.98	197.11	691.16	325.01
21849	94.62	243.88	13.57	156.96	60.6
20703	94.57	62.56	49.61	451.21	482.8
16847	94.57	964.06	60.35	716.81	171.47
24535	94.54	261.56	52.28	609.69	205.34
23660	94.41	501.98	224.21	1336.65	417.15



TABLE 5V: COLCHICINE					
Timepoint(s): 24, 48 hrs					
GLCC Identifier	LDA Score	Tox Mean	Tox SD	NonTox Mean	NonTox SD
22852	99.02	930.09	103.59	404.94	141.26
14184	98.81	613.16	114.48	195.53	106.93
14185	98.7	1105.25	252.52	313.86	179.44
20529	98.14	795.85	286.58	129.22	186.3
20783	98.09	165.38	29.95	51.81	40.33
20869	98.04	173.46	44.44	59.95	48.66
7743	98.01	218.51	24.38	111.11	54.34
22897	98.01	136.82	41.12	42.67	24.36
20698	97.96	2770.67	743.06	891.64	430.09
3438	97.88	139.37	41.23	39.05	23.66
20701	97.88	2652.49	668.34	875.67	375.55
14927	97.8	119	27.02	46.5	19.88
12577	97.8	719.04	218.56	156.33	141.68
22721	97.66	34.18	8.2	82.29	21.3
19315	97.51	290.65	38.36	107.83	59.7
4969	97.51	1091.37	441.09	260.97	253.83
22898	97.45	359.56	66.18	134.14	71.92
4267	97.43	933.47	240.99	350.09	150.71
3895	97.37	76.83	14.81	27.09	23.39
14766	97.27	975.69	251.84	499.81	119.99
14926	97.27	196.66	37.87	85.9	30.44
1520	97.11	69.78	11.41	27.44	14.49
20042	97.08	1364.3	159.08	646.91	256.74
24654	97	154.31	32.81	59.27	29.32
6986	96.97	366.7	89.43	150.41	57.38
20305	96.97	134.96	13.59	60.91	29.76
24165	96.92	123.07	7.89	51.4	38.22
15239	96.87	1067.13	252.66	626.68	244.11
1437	96.87	1374.11	381	401.62	265.64
1050	96.87	91.8	10.55	39.1	24.08
22522	96.82	103.64	45.53	249.18	62.96
17161	96.79	1886.68	290.38	783.37	364.98
25303	96.76	114.07	30.63	28.28	31.26
6554	96.71	266.95	43.79	612.19	161.23
1841	96.68	121.92	30.1	47.21	52.54
17901	96.68	239.38	18.39	355.73	59.41
20123	96.63	57.54	46.24	306.83	107.02
14777	96.58	157.41	20.98	80.72	45.18
6532	96.58	239.36	49.97	140.67	43.43
16205	96.52	1831.26	405.3	1095.62	258.1
23276	96.5	2015.45	253.29	1355.67	239.94
13569	96.5	150.96	44.19	65.53	27.13
1173	96.5	152.08	157.25	1578.02	697.32
18236	96.47	123.08	21.01	55.44	24.23
10940	96.42	627.7	72.81	360.25	115.78
22358	96.42	280.2	46.68	136.28	49.69
4286	96.42	131.24	26.57	65.71	25.55
10155	96.39	75.44	29.39	22.27	17.5
14187	96.36	136.78	30.94	59.92	31.83
16725	96.31	290.52	56.52	161.43	45.47
15115	96.26	52.07	6.32	26.41	13.57

TABLE 5V: COLCHICINE					
Timepoint(s): 24, 48 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18250	96.26	1494.73	260.81	951.28	198.32
18361	96.23	861.64	126.56	422.95	179.57
3828	96.2	2125.02	515.34	1188.51	342.23
23220	96.2	142.44	10.45	84.56	30.09
14278	96.18	322.46	43.46	167.49	63.88
18794	96.15	201.16	23.55	101.45	46.48
15606	96.07	318.81	66.22	611.89	139.05
8116	96.05	75.96	8.11	37.13	21.12
2658	96.02	323.68	89.03	702.78	167.92
19150	96.02	98.77	15.53	43.43	22.87
1175	96.02	26.68	53.03	633.13	346.79
4491	95.99	270.2	34.05	151.38	63.04
3400	95.97	88.54	17.75	200.03	80.9
22027	95.94	4655.49	554.23	8643.43	7670.41
23578	95.94	432.39	66.61	261.35	69.5
2649	95.91	291.82	59.57	47.4	127.5
15128	95.89	641.44	181.52	332.73	181.72
11991	95.86	151.29	10.76	90.47	28.5
20879	95.86	98.02	96.4	625.24	270.06
22121	95.83	53.25	8.34	21.37	16.77
20055	95.83	211.75	55.29	67.85	74.1
22961	95.81	189.36	48.95	87.7	38.66
2078	95.81	112.19	21.19	226.43	56.03
4449	95.78	76.38	27.23	239.43	92.91
21866	95.78	320.77	48.03	177.88	78.44
4450	95.75	89.71	18.25	197.4	60.95
16367	95.73	336.75	311.78	1422.01	540.85
16577	95.65	325.5	69.75	675.31	194.49
1524	95.62	29.96	22.6	148.09	63.97
1371	95.59	127.98	15.48	43.22	41.48
4444	95.54	62.9	59.18	619.83	352.07
15130	95.54	453.23	46.32	279.3	72.41
18988	95.51	37.7	22.25	223.31	129.67
6050	95.51	290.02	55.7	140.73	60.71
12587	95.51	25.2	8.99	109.66	48.1
15524	95.36	779.76	15.81	976.29	189.31
2732	95.3	368.18	63.9	174.69	82.83
7001	95.3	259.45	109.42	74.15	82.69
11213	95.28	664.44	54.07	1090.18	261.1
1562	95.28	371.61	117.3	883.62	224.76
17577	95.14	126.3	11.61	71.95	28.77
12372	95.14	151.49	24.17	80.79	29.72
2536	95.14	121.28	32.12	599.69	347.1
17323	95.12	156.38	30.55	47.9	49.73
14159	95.09	76.07	14.93	34.46	18.9
9984	95.04	36.18	9.59	83.2	30.87
14056	95.04	147.43	46.32	64.43	41.07
11588	94.98	31.62	11.38	91.34	35.27
16178	94.96	230.36	20.52	154.03	38.4
11024	94.96	286.35	45.67	123.25	76.43
15202	94.82	1360.13	309.95	652.72	553.54

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

TABLE 5V: COLCHICINE					
Timepoint(s): 24, 48 hrs					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23670	94.82	3160.82	338.65	3555.49	2377.55
1069	94.8	2504.18	433.23	1607.59	389.6
556	94.77	483.7	42.63	669.24	129.02
25777	94.51	318.97	85.7	686.72	243.95
21690	94.35	117.13	14.99	62.61	32.75
17086	94.32	63.38	8	121.52	47.23
15598	94.29	294.91	49.72	564.78	141.56
20170	94.29	230.07	21.39	376.22	127.27
21575	94.27	833.24	128.05	534.39	128.49
1548	94.27	366.2	87.14	651.06	143.58
20798	94.24	77.23	13.02	145.03	41.04
19870	94.21	54.4	8.65	28.04	13.3
17556	94.19	314.74	97.02	1013.24	481.42
24662	94.06	59.66	8.75	29.59	16.79
19381	94.06	52.89	5.35	26.9	17.61
20938	94.03	465.66	20.9	612.87	105.01
24280	94.03	177.05	33.05	96.6	68.57
109	94	4019.15	282.51	3933.32	2217.69
10509	94	22.52	30.34	138.95	53.74
23107	93.84	56.69	3.87	35.25	14.04
16382	93.6	87.58	21.75	39.77	49.97
12069	93.52	30	9.05	71.35	24.33
4438	93.5	67.84	9.93	38.19	21.02
17785	93.39	4403.33	474.85	4273.69	3219.49
7459	93.39	2114.65	109.27	2329.39	893.94
21646	93.31	89.17	10.32	148.08	39.59
19469	93.31	239.24	99.77	477.76	113.28
9905	93.29	356.65	146.81	648.34	150.42
25084	93.29	53.93	18.21	141.33	54.37
19108	93.18	44.89	9.04	20.38	23.93
23130	93.13	312.03	41.91	524.74	145.93
25678	92.99	84.27	15.23	37.42	123.26
960	92.94	110.27	25.79	215.94	65.71
10247	92.89	60.51	7.38	33.74	22.82
22781	92.86	147.35	12.71	94.08	54.86
18820	92.81	186.68	17.72	121.96	45.73
1572	92.81	127.62	22.72	73.1	32.46
17934	92.7	346.45	78.42	176.52	91.37
7897	92.7	3762.04	261.66	3454.37	2130.83
23543	92.6	867.78	78.37	585.69	160.55
16269	92.54	96.43	12	58.05	21.96
1481	92.49	112.99	21.45	58.22	29.63
1205	92.49	74.93	7.42	49.91	28.89
1392	92.46	143.78	16.61	82.05	47.19
14533	92.44	5361.59	747.63	5068.88	4887.34
13488	92.44	43.02	6	74.03	21.79
4228	92.44	110.28	15.82	199.05	68.63
4185	92.41	3631.55	542.24	4098.24	2986.08
17171	92.41	136.2	29.48	286.4	176.16
634	92.4	434.92	266.41	1538.17	416.25
1809	92.34	2513.01	1078.75	125.3	723.32

TABLE 5V: COLCHICINE					
Timepoint(s): 24, 48 hrs					
GLEC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2846	92.22	38.62	11.73	86.71	30.18
1299	92.14	23.72	37.72	203.01	224.06
25525	92.13	391.78	249.85	1352.55	362.92
18333	92.12	67.56	8.25	107.48	28.89
24247	92.06	24.23	11.88	208.45	230.28
5622	92.05	3055.75	524.7	1589.25	364.4

TABLE 5W: COLCHICINE					
Timepoint(s): 6 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3431	99.92	3003.78	137.68	1039.49	297.06
12309	99.87	103.17	6.79	394.9	128.08
1322	99.81	152.11	57.45	4147.31	2078.8
8817	99.79	1652.09	73.44	793.99	189.21
14380	99.76	104.76	24.58	686.81	268.39
18657	99.76	1070.31	92.78	283.11	78.12
3365	99.76	141.98	8.14	805.22	237.27
9805	99.76	102.1	16.87	392.85	100.3
3924	99.74	61.79	13.53	327.39	114.57
8815	99.74	1667.42	133.87	537.52	121.88
18999	99.68	672.86	62.96	152.02	50.17
15300	99.68	3063.12	397.15	224.88	176.58
15147	99.66	1984.86	272.98	434.67	269.97
5466	99.66	311.72	16.39	109.06	36
23194	99.66	701.23	73.28	152.16	68.4
8639	99.63	1929.61	166.63	624.27	214.67
7176	99.6	473.27	90.16	55.97	31.41
15146	99.58	969.49	161.91	220.76	103.89
7003	99.58	60.89	5.14	397.24	127.85
16809	99.55	209.43	14.77	29.37	24.23
1501	99.55	2201.06	140.82	497.76	236.01
17590	99.52	327.38	10.42	105.78	45.45
3917	99.5	370.95	91.31	1587.52	507.88
8065	99.5	107.12	12.8	336.5	104.7
1455	99.5	628.63	89.56	178.93	69.93
4843	99.5	209.57	9.38	489.28	117.19
11021	99.5	37.55	4.37	260.43	96.17
17477	99.5	337.07	55.28	52.04	34.64
659	99.47	71.08	3.9	24.09	13.68
21529	99.44	659.77	23.86	322.94	96.45
15301	99.44	1516.47	193.51	22.03	103.56
18396	99.42	144.42	12.71	45.05	46.53
18831	99.39	5369.55	261.46	2439.35	721.08
9541	99.39	910.79	103.83	70.09	100.96
4593	99.36	124.94	16.63	42.19	162.72
5059	99.36	582.33	263.05	78.72	248.28
13981	99.36	220.09	50.19	51.29	21.07
22677	99.36	679.46	91.5	120.32	67.79
16982	99.34	3559.85	425.59	328.05	447.29
8850	99.34	275.16	43.63	69.18	33.89
3014	99.34	124.98	27.93	21.52	12.04
13469	99.34	92.95	8.22	28.79	15.23
4594	99.31	179.56	52.13	51.1	258.46
22242	99.31	205.26	26.42	47.27	47.56
4607	99.31	239.07	21.78	92.71	36.92
23944	99.31	763.5	65.73	359.91	70.59
24431	99.31	497.97	36.23	62.76	149.74
22515	99.28	525.18	166.82	128.66	396.93
21579	99.28	456.96	47.95	201.32	109.9
21574	99.28	2212.4	196.93	979.84	265.55
12751	99.28	502.26	102.49	139.18	46.22

TABLE 5W: GOLCHIGINE					
Timepoint(s): 6 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15644	99.28	3580.73	254.81	1364.27	373.04
18529	99.28	316.71	27.18	70.52	38.9
5297	99.26	123.7	11.89	32.51	32.47
17499	99.26	283.23	105.3	25.57	88.72
15934	99.26	21.46	6.55	128.62	55.85
8206	99.26	3401.55	303.15	1045.12	515.69
8837	99.26	62.75	7.7	217.89	57.87
20448	99.26	569.14	151.04	41.49	68.65
21654	99.26	1204.09	81.08	404.24	144.25
1809	99.23	1532.27	217.07	131.69	738.56
13446	99.23	294.87	45.69	33.66	33.96
13633	99.23	1384.8	96.79	496.93	213.99
21414	99.23	729.49	177.7	118.2	172.81
6431	99.21	558.21	120.21	185.97	237.27
20920	99.21	2028.46	278.16	787.34	254.71
11852	99.21	69.06	12.64	206.91	59.32
13549	99.21	804.95	145.11	195.07	123.29
15645	99.21	2319.1	172.44	896.55	376.2
22681	99.21	2994.7	468.23	151.35	329.73
17908	99.21	510.9	42.69	71.6	114.43
8477	99.21	835.72	41.61	300.88	115.6
2555	99.21	1057.83	181.9	124.95	74.9
7380	99.18	229.62	32.08	79.02	45.87
23583	99.18	284.79	27.62	57.13	38.91
14504	99.18	1098.04	281.78	141.17	171.13
7006	99.15	198.8	40.87	40.65	30.8
1876	99.15	269.06	21.19	774.91	201.78
2161	99.15	2065.98	202.96	365.35	266
1802	99.15	958.14	123.29	319.92	103.52
3817	99.15	420.66	33.32	198.94	64.82
12928	99.15	1593.8	259.08	506.57	117.73
21130	99.15	395.82	51.09	73.02	49.29
4822	99.15	277.53	21.42	66.12	45.47
8092	99.13	172.8	60.11	26.22	182.1
2516	99.13	630.45	41.76	1186.15	265.28
2492	99.13	368.13	53.74	137.06	55.51
18830	99.13	6793.8	359.02	2695.75	948.83
20449	99.13	786.03	179.41	38.81	96.78
4731	99.13	517.14	63.34	53.46	74.66
2629	99.1	134.91	17.76	31.8	53.72
8849	99.1	501.65	99.54	120.56	47.2
64	99.1	41.73	3.35	134.74	44.02
22746	99.1	706.13	34.54	276.91	131.44
19184	99.1	951.19	208.78	86.33	89.57
8314	99.07	536.91	153.9	165.87	596.39
22140	99.07	1120.9	117.41	637.1	123.23
9668	99.07	234.87	24.59	79.62	37.6
21445	99.07	261.65	69.49	20.06	48.59
14250	99.05	448.93	153.45	43.24	32.31
20523	99.05	424.46	47.64	48.23	66.12
20421	99.02	63.91	3.34	30.57	14.08

TABLE 5W: COLCHICINE  
Timepoint(s): 6 hrs  
GLC6

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
58	99.02	117.63	6.89	44.93	24.96
20708	98.99	108.56	9.8	33.87	18.04
9905	98.99	317.1	12.02	647.98	150.8
25052	98.97	411.49	86.56	32.96	139.06
21162	98.97	208.3	59.06	30.37	22.58
8768	98.97	78	12.14	21.69	12.16
21917	98.97	513.66	89.35	74.06	61.9
15642	98.97	1143.9	93.3	374.52	155.76
17589	98.94	203.91	21.27	33.15	33.11
3454	98.91	256.27	26.68	70.97	45.46
3430	98.91	1494.68	287.51	233.14	121.02
16331	98.91	319.4	20.94	624.25	138.63
1099	98.89	80.2	5.85	225.03	72.58
7005	98.89	182.3	23.87	64.73	23.48
13499	98.89	287.16	52.55	50.33	35.38
16362	98.89	25.51	3.89	68.15	21.63
5384	98.86	329.01	44.21	26.71	59.69
25567	98.86	1514.83	279.7	141.55	122.27
1877	98.86	241.63	34.43	697.36	185.11
20493	98.83	120.96	16.18	323.46	78.58
809	98.83	409.01	177.55	23.87	51.49
2153	98.81	103.01	41.28	27.37	15.63
11483	98.78	141.21	23	34.37	84.09
15558	98.78	660.87	53.11	309.22	115.95
22513	98.75	1504.66	453.07	34.66	789.3
24161	98.75	231.61	9.35	460.62	124.31
2554	98.73	219.22	59.92	55.97	22.33
20529	98.73	802	110.83	130.26	188.72
15189	98.73	6817.09	452.23	1648.65	1644.72
17256	98.73	184.12	12.65	535.36	180.68
23783	98.73	251.28	15.09	554.83	134.13
1424	98.73	135.55	22.45	45.38	19.26
17709	98.73	144.56	9.33	37.82	42.25
1597	98.68	999.54	209.86	115.94	117.42
16684	98.68	962.36	63.36	354.04	142.89
1639	98.68	79.56	12.09	197.05	45.79
20698	98.68	2561.57	206.8	895.18	440.69
15643	98.65	186.64	81.43	38.58	18.78
9423	98.65	2779.27	549.3	810.31	281.83
1571	98.65	302.77	50.54	50.75	53.2
20126	98.62	675.26	176.11	106.11	70.2
15115	98.62	84.69	19.21	26.36	13.3
23321	98.62	76.36	11.52	238.42	64.77
15299	98.62	880.8	374.03	76.22	120.67
16683	98.6	203.89	15.95	76	34.9
11494	98.6	316.19	54.18	25.73	80.98
20944	98.6	1105.95	88.71	620.39	162.92
13091	98.57	29.75	9.85	158.67	81.48
14997	98.54	1138.5	138.03	286.84	274.16
24710	98.49	78.82	13.39	20.56	23.87
18349	98.49	244.99	48.43	65.21	37.96



TABLE 5W: COLCHICINE					
Timepoint(s): 6 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17494	98.49	21.86	2.23	50.18	38.03
20701	98.49	2378.94	191.39	879.22	387.02
22567	98.46	93.05	4.91	178.23	48.36
13092	98.46	34.22	12.21	220.74	123.58
5496	98.44	183.83	20.42	493.52	155.09
9424	98.44	3539.42	970.19	1007.36	358.45
20819	98.41	166.5	12.73	74.41	23.42
15191	98.41	5712.2	553.35	1209.98	1314.12
16564	98.41	530.29	61.97	214.96	83.52
23300	98.41	90.83	11.7	254.51	97.78
20589	98.41	55.68	6.96	25.28	27.34
13930	98.38	507.15	82.87	146.72	104.3
6071	98.38	48.48	15.1	252.45	84.87
23871	98.38	129.96	26.44	34.63	68.3

TABLE 5X: CPA					
Timepoint(s): 24, 120 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15987	99.84	515.74	75.37	23.28	29.89
20803	99.55	789.49	72.91	284.3	110.59
8872	99.23	2165.94	258.75	487.96	217.92
15127	98.81	1907.99	118	688.91	319.14
17788	98.67	2456.63	377	1067.19	290.22
12155	98.62	1713.86	190.39	627.38	664.86
3381	98.57	244.53	24.9	113.09	33.54
12156	98.54	1995.76	290.54	496.09	855.32
16278	98.54	1784.96	202.31	647.15	324.29
25055	98.46	921.01	195.58	239.78	543.35
12158	98.44	912.04	196.88	230.34	543.19
17092	98.44	363.27	103.63	79.75	42.93
4312	98.44	731.8	248.9	61.26	144.67
17091	98.44	267.29	74.19	44.1	40.04
1796	98.44	1349.34	299.43	234.4	166.74
15755	98.41	245	56.74	742.24	178.9
20804	98.25	2575.88	572.75	888.23	388.15
25056	98.22	2327.46	332.28	929.48	711.47
17090	98.2	180.69	44.89	58.52	26.59
24860	98.12	1467.53	237.6	386.54	264.88
12160	98.06	2523.88	553.06	1115.37	1301.18
5824	97.98	298.43	72.1	87.77	56.08
2084	97.88	1046.26	104.59	534.91	150.72
20707	97.75	1684.19	229.15	602.2	292.56
1795	97.72	1816.6	318.44	528.46	366.46
18401	97.67	1407.45	183.53	788.7	163.35
1551	97.64	393.37	58.95	1028.38	368.77
21391	97.45	366.81	90.21	110.09	113.61
906	97.29	66.24	15.74	32.06	15.58
6824	97.27	1094.63	340.68	413.45	212.15
20864	97.19	1676.23	383.3	466.8	373.76
9940	97.14	536.15	109.9	204.59	89.6
18473	97.03	890.69	109.82	434.29	210.01
1550	97	99.1	32.68	432.3	211.25
10315	97	70.49	7.36	183.61	88.52
25287	96.95	237.77	60.49	82.59	44.56
18718	96.84	1880.88	305.12	827.92	345.65
12613	96.76	181.42	17.69	96.77	46.74
10396	96.76	317.82	74.55	148.54	56.57
22266	96.71	2589.47	230.63	1701.8	352.62
9136	96.66	591.31	72.52	337.48	88.39
17553	96.63	112.16	3.6	63.86	43.92
12157	96.6	1823.08	515.18	570.97	981.37
25281	96.53	298.97	51.27	153.82	48.28
1884	96.47	307.9	56.62	163.47	52.34
23272	96.42	190.64	22.58	357.83	89.87
2384	96.26	1488.62	304.6	734.58	233.33
1354	96.26	1058.43	260.49	259.25	216.17
19256	96.13	172.27	21.81	366.53	141.46
24262	96.07	579.48	43.59	377.21	122.5
20842	96.07	529.22	43.55	355.58	71.07

TABLE 5X: CPA  
Timepoint(s): 24, 120 hrs  
GLC6

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17470	96.05	390.89	112.36	153.72	80.77
7926	95.97	228.53	81.74	95.01	51.92
20845	95.97	521.85	90.2	243.04	112.33
25499	95.97	991.03	111.38	660.7	139.25
21798	95.94	2826.86	421.67	1775.23	356.4
18900	95.94	1290.75	174.84	804.23	177.5
3834	95.89	533.71	87.28	331.46	70.64
17248	95.81	2675.17	344.77	1658.57	358.75
18906	95.68	166.35	35.72	81.19	36.03
3803	95.57	1342.6	269.4	849.93	204.53
11693	95.52	53.57	53.17	408.94	242.44
24073	95.49	111.04	21.41	23.85	37.24
8358	95.46	865.05	52.35	610.18	141.68
22379	95.38	883.34	195.79	470.63	215.34
13330	95.36	176.96	43.63	57.71	65.08
7307	95.36	67.95	15.53	24.28	17.88
12524	95.17	640.26	71.88	391.94	111.56
6431	95.15	61.93	9.63	187.42	238.11
19255	95.12	77.77	14.22	204.54	101.59
20940	95.09	936.93	84.19	545.77	214.58
18860	95.07	1211.23	244.06	565.7	248.34
23296	95.07	597.01	96.51	334.68	100.56
11019	95.07	134.09	18.76	45.83	39.52
17401	94.99	95.09	36.73	434.37	217.21
16725	94.96	108.27	4.11	162.17	46.24
22267	94.93	1400.08	100.63	925.43	294.61
5748	94.93	591.93	86.36	374.89	91.33
16269	94.91	22.62	6.39	58.34	22
23569	94.72	382.47	40.41	260.34	59.51
6801	94.62	244.51	27.71	440.66	120.37
1888	94.59	92.65	22.09	32.17	34.92
9055	94.59	625.43	68.69	387.72	113.8
12196	94.51	1056.53	34.69	841.23	148.51
17601	94.43	46.78	7.05	102.56	39.89
24799	94.38	153.99	26.78	307.11	126.54
8317	94.32	270.67	61.07	636.73	221.9
19012	94.3	263.26	14.51	441.56	165.9
24326	94.27	162.65	34.16	296.37	76.59
17116	94.27	1960.59	322.97	1389.17	259.59
15032	94.24	177.39	41.97	493.86	190.85
12071	94.19	281.58	88.46	636.83	182.94
1654	94.14	101.65	15.48	204.94	61.98
20744	94.14	120.51	13.37	349.43	304.29
1552	94.01	235.75	79.97	586.21	213.54
22578	93.98	695.18	147.03	1319.3	386.43
20798	93.98	236.82	51.01	144.4	40.79
2584	93.95	186.37	32.97	104.84	38.5
1903	93.95	266	39	147.01	55.87
18749	93.93	139.22	54.06	62.53	57.28
24728	93.82	126.08	25.42	261.6	84.41
1479	93.79	137.29	22.87	296.85	95.05

TABLE 5X: CPA  
Timepoint(s): 24, 120 hrs  
CLC6

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22773	93.63	33.24	5.81	63.76	22.05
25663	93.61	84.33	9.89	322.15	597.96
9223	93.45	37.62	9.14	89.72	43.26
11938	93.37	1154.46	400.62	1106.74	200.56
15348	93.34	126.58	16.66	199.07	43.15
17752	93.32	255.46	36.73	472.35	141.96
17487	93.16	68.44	12.61	34.77	20.09
16242	93.13	26.46	4.4	47.12	13.08
6912	93.1	93.86	18.89	193.66	64.6
1427	93.1	57.63	16.63	28.11	18.7
7927	93.08	111.83	31.92	286.66	116.4
14003	92.97	271.38	75.37	156.13	102.31
17885	92.89	298.72	21.55	204.09	60.76
4091	92.84	514.17	66.67	343.52	96.66
22609	92.79	61.47	8.31	25.91	36.63
18160	92.76	31.96	7.31	73.97	32.84
15126	92.68	2274.28	457.02	1272.11	536.45
18867	92.57	425.86	144.38	827.37	222.17
17289	92.47	217.51	28.3	124.19	77.28
163	92.47	716.55	37.32	525.76	110.33
644	92.23	44.72	8.83	29.55	10.34
21078	91.96	434.32	51.66	739.37	214.89
5622	91.96	1021.17	154.32	1597.58	376.2
19962	91.83	213.02	13.52	157.08	58.5
15888	91.75	85.97	11.5	167.19	141.04
25676	91.67	45.53	10.5	97.17	43.4
18747	91.51	288.85	111.02	155.3	123.95
6478	91.46	2101.18	222.83	3240.11	1804.78
6017	91.41	122.91	67.38	783.92	505.65
4242	91.41	183.7	77.57	519.45	211.24
19420	91.38	23.41	10.84	57.83	20.54
25723	91.38	38.38	7.81	21.06	18.21
25702	91.33	638.9	58.32	494.86	177.41
16780	91.29	804.3	304.89	308.07	106.94
25725	91.24	417.02	194.59	141.74	60.54
15367	91.17	167.27	10.16	242.25	93.58
25413	91.06	20.18	5.06	44.26	20.59
15136	91.03	784.13	62.97	587.57	293.75
5107	91.03	52.41	6.36	97.77	49.75
23220	91.01	110.89	7.04	84.71	30.28
21416	91.01	29.17	4.06	52.59	30.22
20700	90.9	1938.34	191.11	2947.88	1599.77
17052	90.9	61.07	8.19	39.25	17.72
11691	90.9	23.9	16.2	109.55	93.58

TABLE 5Y: CPA					
Timepoint(s): 24, 120 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2084	97.88	1046.26	104.59	534.91	150.72
18401	97.67	1407.45	183.53	788.7	163.35
21391	97.45	366.81	90.21	110.09	113.61
6824	97.27	1094.63	340.68	413.45	212.15
9940	97.14	536.15	109.9	204.59	89.6
10315	97	70.49	7.36	183.61	88.52
1550	97	99.1	32.68	432.3	211.25
25287	96.95	237.77	60.49	82.59	44.56
18718	96.84	1880.88	305.12	827.92	345.65
10396	96.76	317.82	74.55	148.54	56.57
12613	96.76	181.42	17.69	96.77	46.74
9136	96.66	591.31	72.52	337.48	88.39
17553	96.63	112.16	3.6	63.86	43.92
25281	96.53	298.97	51.27	153.82	48.28
1884	96.47	307.9	56.62	163.47	52.34
23272	96.42	190.64	22.58	357.83	89.87
1354	96.26	1058.43	260.49	259.25	216.17
2384	96.26	1488.62	304.6	734.58	233.33
20842	96.07	529.22	43.55	355.58	71.07
24262	96.07	579.48	43.59	377.21	122.5
17470	96.05	390.89	112.36	153.72	80.77
25499	95.97	991.03	111.38	660.7	139.25
20845	95.97	521.85	90.2	243.04	112.33
7926	95.97	228.53	81.74	95.01	51.92
18900	95.94	1290.75	174.84	804.23	177.5
3834	95.89	533.71	87.28	331.46	70.64
17248	95.81	2675.17	344.77	1658.57	358.75
3803	95.57	1342.6	269.4	849.93	204.53
24073	95.49	111.04	21.41	23.85	37.24
8358	95.46	865.05	52.35	610.18	141.68
22379	95.38	883.34	195.79	470.63	215.34
7307	95.36	67.95	15.53	24.28	17.88
13330	95.36	176.96	43.63	57.71	65.08
12524	95.17	640.26	71.88	391.94	111.56
20940	95.09	936.93	84.19	545.77	214.58
11019	95.07	134.09	18.76	45.83	39.52
23296	95.07	597.01	96.51	334.68	100.56
17401	94.99	95.09	36.73	434.37	217.21
16725	94.96	108.27	4.11	162.17	46.24
5748	94.93	591.93	86.36	374.89	91.33
22267	94.93	1400.08	100.63	925.43	294.61
16269	94.91	22.62	6.39	58.34	22
23569	94.72	382.47	40.41	260.34	59.51
9055	94.59	625.43	68.69	387.72	113.8
1888	94.59	92.65	22.09	32.17	34.92
12196	94.51	1056.53	34.69	841.23	148.51
17601	94.43	46.78	7.05	102.56	39.89
24799	94.38	153.99	26.78	307.11	126.54
8317	94.32	270.67	61.07	636.73	221.9
17116	94.27	1960.59	322.97	1389.17	259.59
24326	94.27	162.65	34.16	296.37	76.59

TABLE 5Y: CPA					
Timepoint(s): 24, 120 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15032	94.24	177.39	41.97	493.86	190.85
12071	94.19	281.58	88.46	636.83	182.94
1654	94.14	101.65	15.48	204.94	61.98
1552	94.01	235.75	79.97	586.21	213.54
20798	93.98	236.82	51.01	144.4	40.79
22578	93.98	695.18	147.03	1319.3	386.43
1903	93.95	266	39	147.01	55.87
2584	93.95	186.37	32.97	104.84	38.5
18749	93.93	139.22	54.06	62.53	57.28
21382	93.9	97.87	11.74	181.33	63.63
18141	93.85	519.6	86.6	329.77	177.47
24728	93.82	126.08	25.42	261.6	84.41
7691	93.79	136.99	10.3	92.88	79.96
22151	93.63	318.16	38.95	167.57	107.58
22773	93.63	33.24	5.81	63.76	22.05
25663	93.61	84.33	9.89	322.15	597.96
19452	93.5	233.52	29.35	136.21	119.58
9223	93.45	37.62	9.14	89.72	43.26
11324	93.4	186.39	23.41	320.54	96.1
11938	93.37	1154.46	400.62	1106.74	200.56
18325	93.37	479.38	32.88	349.34	84.22
15348	93.34	126.58	16.66	199.07	43.15
17752	93.32	255.46	36.73	472.35	141.96
4073	93.24	479.14	69.74	249.74	143.79
17487	93.16	68.44	12.61	34.77	20.09
22477	93.16	163.46	16.79	90.74	43.66
16242	93.13	26.46	4.4	47.12	13.08
1427	93.1	57.63	16.63	28.11	18.7
24049	93.1	2308.97	299.37	1515.64	458.38
6912	93.1	93.86	18.89	193.66	64.6
3993	93.1	141.68	12.68	217.35	57.14
7927	93.08	111.83	31.92	286.66	116.4
26147	93.05	2363.23	231.98	1652.18	369.56
19363	93	377.23	202.42	1901.96	903.09
14003	92.97	271.38	75.37	156.13	102.31
5241	92.97	227.52	24.55	347.52	86.28
17885	92.89	298.72	21.55	204.09	60.76
7870	92.86	60.29	9.12	117.22	46.33
4091	92.84	514.17	66.67	343.52	96.66
7316	92.81	43.05	8.75	85.7	38.62
22609	92.79	61.47	8.31	25.91	36.63
21694	92.76	347.26	62.65	196.44	83.9
18160	92.76	31.96	7.31	73.97	32.84
15126	92.68	2274.28	457.02	1272.11	536.45
17865	92.65	289.95	12.58	375.54	68.28
18867	92.57	425.86	144.38	827.37	222.17
23597	92.52	1130.39	155.89	779.7	193.25
23768	92.49	305.94	59.08	194.01	80.27
17289	92.47	217.51	28.3	124.19	77.28
163	92.47	716.55	37.32	525.76	110.33
644	92.23	44.72	8.83	29.55	10.34

TABLE 5Y: CPA					
Timepoint(s): 24, 120 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
5622	91.96	1021.17	154.32	1597.58	376.2
19962	91.83	213.02	13.52	157.08	58.5
25676	91.67	45.53	10.5	97.17	43.4
18747	91.51	288.85	111.02	155.3	123.95
6478	91.46	2101.18	222.83	3240.11	1804.78
6017	91.41	122.91	67.38	783.92	505.65
4242	91.41	183.7	77.57	519.45	211.24
19420	91.38	23.41	10.84	57.83	20.54
25723	91.38	38.38	7.81	21.06	18.21
25702	91.33	638.9	58.32	494.86	177.41
15367	91.17	167.27	10.16	242.25	93.58
25413	91.06	20.18	5.06	44.26	20.59
15136	91.03	784.13	62.97	587.57	293.75
5107	91.03	52.41	6.36	97.77	49.75
23220	91.01	110.89	7.04	84.71	30.28
21416	91.01	29.17	4.06	52.59	30.22
20700	90.9	1938.34	191.11	2947.88	1599.77
17052	90.9	61.07	8.19	39.25	17.72
11691	90.9	23.9	16.2	109.55	93.58
20703	90.85	127.49	46.01	451.17	483.02
20511	90.82	36.97	4.35	67.72	28.83
15623	90.8	42.73	7.25	71.36	24.25
348	90.8	118.07	13.49	76.64	27.12
17226	90.77	1383.07	60.33	1105.17	236.84
4234	90.74	289.19	42.96	617.48	298.74
24763	90.69	59.82	6.57	94.14	40.29
20299	90.53	349.05	95.57	726.79	249.41
656	90.42	80.81	4.24	102.91	33.62
727	90.4	279.18	41.4	203.61	51.79
17972	90.34	37.81	3.51	24.09	15.8
22396	90.24	59.2	12	99.3	28.76
5545	90.08	1203.76	78.41	1490.87	574.88
1159	90.05	119.01	58.08	275.36	107.3
1973	90.03	306.32	17.08	391.67	107.24
23481	90	36.24	11.6	69.21	23.13
25069	89.97	1231.6	563.43	201.55	239.64
20802	89.91	329.77	64.64	130.33	59.89
25964	89.89	57.21	7.22	92.15	30.97
7163	89.87	41.35	7.14	84.31	36.76
8977	89.81	43.82	4.74	30.37	10.16
11981	89.81	57.97	4.93	83.71	22.13
20865	89.79	38.26	8.04	89.98	95.27
6108	89.76	143.11	13.88	110.78	45.26
15579	89.73	1458.15	137.46	1679.56	675.17
17936	89.73	1113.54	83.94	832.34	227.17
3788	89.71	26.18	1.98	35.84	12.76
4749	89.68	1019.89	203.98	1655.2	434.34
24419	89.66	160.97	22.33	99.16	63.61
1798	89.58	2071.22	211.5	2799.36	1337.75
819	89.55	2302.42	356.69	2548.98	1185.9
9527	89.5	89.49	25.07	236.44	129.28



TABLE 5Y: CPA					
Timepoint(s): 24, 120 hrs					
GLC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15138	89.41	197.53	42.61	83.99	43.8

Attorney Docket 44921-5038-01-WO

Document No. 1935828.1

TABLE 52: GPA

Timepoint(s): 6 hrs

Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GLCC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21968	99.66	336.13	5.88	154.33	63.23
1900	99.58	919	67.9	332.92	144.12
3050	99.42	100.04	5.64	28.38	21.7
9128	99.39	482.11	106.87	109.27	74.26
13231	99.21	382.85	49.17	122.87	53.82
17506	99.1	212.71	17.76	31.5	71.88
13799	98.97	375.73	72.34	137.29	52.07
5754	98.89	387.64	90.19	88.96	55.53
19605	98.89	318.04	35.9	130.26	41.67
7434	98.86	815.52	40.4	394.11	132.33
19467	98.83	963.65	78.28	439.31	162.93
15847	98.73	117.99	17.88	22.43	32.95
18337	98.6	315.9	43.13	156.61	101.32
6272	98.41	397.42	83.96	149.81	45.88
12203	98.36	306.83	80.61	45.36	78.73
20063	98.36	648.97	93.85	267.86	98.57
16053	98.33	292.73	14.22	176.18	220.38
18235	98.3	267.49	51.1	140.41	28.19
9514	98.25	1625.14	124.57	935.34	219.48
18484	98.25	127.21	44.53	44.76	16.71
19069	98.25	180.08	21.52	739.35	315.83
2866	98.17	783.55	140.13	118.19	180.78
13746	98.09	58.47	5.72	162.03	69.53
4937	98.01	631.7	70.25	361.28	90.51
9775	97.96	517.09	98.93	129.4	107.22
15345	97.93	1898.16	268.14	832.68	256.03
14740	97.91	251.1	42.02	92.06	56.78
16043	97.85	65.23	5.34	131.11	45.88
7618	97.75	366.94	73	146.38	58.39
4032	97.72	225.35	46.24	93.86	33.44
7639	97.69	482.34	97.28	276.54	68.37
8305	97.64	281.02	23.78	132.68	83.1
11463	97.59	61.05	6.38	130.46	52.77
6821	97.54	661.11	100.08	231.1	132.5
15551	97.51	212.76	8.45	327.45	67.4
26379	97.48	32.66	3.64	79.32	39.73
15251	97.4	100.59	11.43	43.06	22.57
15387	97.38	330.99	11.81	521.41	121.08
15959	97.35	372.85	69.25	170.23	55.63
14463	97.35	128.68	14.4	57.53	30.83
16087	97.27	62.42	7.34	125.37	37.49
22092	97.24	195.7	21.08	103.42	33.5
19993	97.24	834.02	110.46	397.43	186.02
6582	97.22	281.74	34.36	125.15	84.24
22239	97.19	89.8	6.76	40.58	25.26
22379	97.16	1007.83	135.25	470.74	215.11
22906	97.14	1219.93	141.04	560.56	425.46
16509	97.11	195.88	40.57	70.08	47.32
22548	97.09	1288.15	215.83	530.38	220.05
12956	97.06	510.86	87.31	247.82	74.29
6342	97.03	100.36	12.46	234.31	80.47

TABLE 52: CPA  
Timepoint(s): 6 hrs  
Attorney Docket 44921-5038-01-WO  
Document No. 1935828.1

GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22235	97.01	564.74	28.69	377.08	92.2
11514	96.98	356.8	31.13	220.75	53.99
7282	96.95	85.49	23.62	28.9	16.14
11813	96.95	65.04	8.21	23.62	16.34
2372	96.93	210.37	37.9	108.38	36.17
6647	96.87	952.01	106.22	524.25	162.71
14419	96.77	29.11	3.32	62.1	23.9
10369	96.74	302.69	27.14	175.06	59.32
14844	96.69	105.77	26.25	273.9	87.14
19992	96.66	1058.37	103.5	621.86	218.14
25056	96.58	1547.41	149.55	933.02	715.67
10637	96.56	100.18	9.48	198.87	66.32
14662	96.53	95.36	9.99	176.13	49.95
9391	96.42	423.3	9.9	601.29	149.1
10805	96.34	69.88	8.09	28.65	19.93
11125	96.32	83.46	9.27	31.51	22.46
10200	96.29	71.26	11.83	24.75	24.84
3912	96.29	141.4	10.43	66.67	42.65
24051	96.29	162.12	31.26	79	28.17
22981	96.29	370.75	48.03	195.08	67.46
16199	96.24	212.48	55.64	74.57	47.43
2354	96.24	1418.52	135.45	817.4	289.52
15713	96.21	27.93	0.74	42.68	23.4
4725	96.18	95.25	13.13	24.59	118.53
4449	96.18	503.31	122.16	238.04	92.28
16609	96.18	182.57	7.24	307.66	102.75
22380	96.18	527.26	117	267.03	108.03
21454	96.13	590.95	73.32	347.49	100.8
10641	96.1	116.46	23.06	26.8	44.19
2860	96.08	309.46	45.16	95.94	83.94
22436	96.05	279.76	35.52	164.4	44.88
16910	96.05	1149.91	100.8	714.57	206.69
22929	96.03	609.02	48.31	1241.57	788.34
2594	96.03	103.92	25.99	40.82	25.78
5038	96.03	868.99	125.61	408.26	165.84
18925	96	20.76	10.18	111.16	53.99
5624	95.97	144.44	43.05	461.94	196.46
5246	95.97	259.18	20.49	174	37.86
11782	95.92	38.48	8.47	89.15	31.4
21150	95.89	199.42	28.46	43.82	130.34
3803	95.87	1292.62	108.08	850.59	205.85
1902	95.87	549.84	126.13	225.1	106.21
5340	95.84	63.81	20.12	345.77	185.52
11404	95.84	474.84	63.39	220.32	127.88
5481	95.79	418.88	70.91	173.42	97.17
4014	95.76	127.56	9.08	76.26	27.33
13336	95.73	113.7	13.56	235.54	98.27
23311	95.73	279.83	32.19	161.14	47.69
2729	95.73	1105.87	94.65	582.94	225.95
16184	95.6	77.92	12.56	174.14	62.83
173	95.55	321.68	77.18	111.75	80.53

TABLE 52: CPA					
Timepoint(s): 6 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20188	95.52	90.59	11.88	197.76	86.75
730	95.5	22.32	1.87	46.5	36.75
7936	95.26	30.51	2.08	53.18	17.85
22282	94.91	53.07	5.52	94.39	29.7
1620	94.91	76.11	5.81	128.03	54.9
23047	94.78	20.65	1.74	37.72	15.03
25507	94.7	35.38	7.64	80.16	43.95
11840	94.49	105.07	9.11	69.26	36.62
1283	94.46	37.16	4.76	102.56	52.44
20450	94.28	30.71	6.02	72.59	29.14
2746	94.28	24.65	3.63	23.96	19.34
18981	94.12	89.2	6.31	166.54	132.76
1719	94.12	43.35	10.72	102.24	50.73
18227	94.09	25.11	2.35	41.74	13.07
21104	94.04	106.12	6	68.88	31.42
209	94.04	22.96	0.93	25.22	15.43
9092	93.91	38.28	12.47	93.58	34.44
18867	93.64	641.41	32.27	826.38	223.34
1241	93.51	22.92	3.87	46.92	21.81
17110	93.43	37.14	11.24	76.55	22.5
4683	93.43	101.33	9.45	168.13	88.83
6601	93.4	25.25	2.88	48.15	27.27
25805	93.3	23.16	5.04	51.26	19.17
16653	93.24	101.11	12.46	158.16	36
17439	93.22	57.45	13.99	114.85	48.83
23293	93.19	26.58	3.94	47.7	13.41
8207	93.14	34.49	5.31	64.35	20.12
1914	93.14	52.99	3.62	85.25	36.56
25707	93.11	44.37	3.98	88.57	53.72
15573	93.06	36.21	4.13	55.86	16.25
826	93.03	152.42	12.77	96.77	37.55
4292	93	34.66	5	64.12	24.26
16263	92.98	84.73	2.55	95.36	29.63
20373	92.98	53.95	6.96	88.33	32.6
23826	92.93	94.27	7.56	145.43	57.8
23302	92.87	43.51	1.71	36.69	21.31
18883	92.74	24.09	3.93	40.68	13.3
17764	92.69	1657.6	115	1186.76	461.24
20701	92.58	603.05	28.74	883.92	394.46
25479	92.55	1592.53	85.74	1189.03	285.05
19238	92.45	50.15	6.3	84.92	30.78
9126	92.42	46.46	6.75	93.88	45.91
17976	92.34	40.43	12.4	78.1	26.9
1375	92.32	53.48	5.77	85.73	29.06
20784	92.24	589.17	42.47	390.96	143.52
20283	92.16	50.37	12.41	114.02	53.58
1143	92.1	49.08	11.87	96.96	56.62
24392	91.81	52.5	11	101.15	41.81
15610	91.76	23.38	7.97	53.7	22.79
14926	91.73	40.32	9.96	86.49	31.25
25754	91.6	21.19	2.5	39.72	17.67

TABLE 52: CPA					
Timepoint(s): 6 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16922	91.55	1104.21	54.05	833.35	196.16
20236	91.36	68.89	16.41	149.2	74.94
889	91.31	28.61	5.71	57.55	25.48
229	91.2	931.81	106.68	679.77	159.28
1624	91.07	203.55	11.31	262.08	53.25
16332	91.04	39.42	9.94	79.21	37.41
16825	91.04	35.83	8.73	21.62	11.53
24473	91.04	92.38	8.24	139.15	43.01
16108	91.04	173.14	7.06	140.36	27.59
16205	91.02	725.37	118.18	1099.72	262.69
21915	90.99	759.26	80.93	564.61	133.43
17577	90.96	31.71	9.67	72.29	28.89
25343	90.94	35.44	8.05	70.71	30.5
24621	90.94	41	7.36	73.88	28.41
2643	90.89	26.15	5.54	51.02	20.81
25216	90.89	25.75	4.45	52.69	36.06
10980	90.83	20.78	7.05	47.51	19.94
14925	90.83	193.95	25.99	323.81	105
17206	90.78	42.9	9.6	79.16	26.01
24757	90.75	46.07	10.04	77.86	31.85
16924	90.7	330.54	72.13	188.19	110.76
24	90.62	23.27	7.38	52.69	25.07
15097	90.59	64.83	10.37	30.22	58.33
976	90.57	21.19	4.73	38.49	15.85
24430	90.54	22.06	2.05	30.92	19.92
16383	90.54	28.2	7.68	55.87	39.49
24869	90.51	35.21	13.55	83.74	39.46
11839	90.51	24.75	10.1	72.07	43.23
9074	90.51	76.08	9.9	119.79	44.6
15185	90.38	66.86	4.27	61.06	101.26
18897	90.28	66.18	13.15	122.46	46.55
2356	90.28	70.82	8.07	106.24	29.47
3928	90.28	28.23	5.06	54.93	22.13
18618	90.14	1292.25	36.59	1150.73	216.85
17649	90.04	21.9	3.61	50.27	28.14
20854	90.01	31.79	4.85	67.6	50.26
2070	90.01	45.04	8.46	81.28	27.05
16912	90.01	221.66	21.16	303.16	79.12
3783	89.98	20.05	5.91	40.16	15.06
16768	89.96	544.26	29.95	494.82	162.98
442	89.9	20.59	3.46	37.22	16.12

TABLE 5AA: CPA					
Timepoint(s): 6hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21968	99.66	336.13	5.88	154.33	63.23
3050	99.42	100.04	5.64	28.38	21.7
13231	99.21	382.85	49.17	122.87	53.82
7434	98.86	815.52	40.4	394.11	132.33
19467	98.83	963.65	78.28	439.31	162.93
15847	98.73	117.99	17.88	22.43	32.95
18337	98.6	315.9	43.13	156.61	101.32
9514	98.25	1625.14	124.57	935.34	219.48
2866	98.17	783.55	140.13	118.19	180.78
13746	98.09	58.47	5.72	162.03	69.53
14740	97.91	251.1	42.02	92.06	56.78
16043	97.85	65.23	5.34	131.11	45.88
7618	97.75	366.94	73	146.38	58.39
4032	97.72	225.35	46.24	93.86	33.44
7639	97.69	482.34	97.28	276.54	68.37
8305	97.64	281.02	23.78	132.68	83.1
11463	97.59	61.05	6.38	130.46	52.77
15551	97.51	212.76	8.45	327.45	67.4
26379	97.48	32.66	3.64	79.32	39.73
15387	97.38	330.99	11.81	521.41	121.08
14463	97.35	128.68	14.4	57.53	30.83
19993	97.24	834.02	110.46	397.43	186.02
22092	97.24	195.7	21.08	103.42	33.5
22239	97.19	89.8	6.76	40.58	25.26
16509	97.11	195.88	40.57	70.08	47.32
6342	97.03	100.36	12.46	234.31	80.47
11514	96.98	356.8	31.13	220.75	53.99
11813	96.95	65.04	8.21	23.62	16.34
7282	96.95	85.49	23.62	28.9	16.14
6647	96.87	952.01	106.22	524.25	162.71
14419	96.77	29.11	3.32	62.1	23.9
10369	96.74	302.69	27.14	175.06	59.32
14844	96.69	105.77	26.25	273.9	87.14
19992	96.66	1058.37	103.5	621.86	218.14
10637	96.56	100.18	9.48	198.87	66.32
14662	96.53	95.36	9.99	176.13	49.95
9391	96.42	423.3	9.9	601.29	149.1
10805	96.34	69.88	8.09	28.65	19.93
22981	96.29	370.75	48.03	195.08	67.46
3912	96.29	141.4	10.43	66.67	42.65
16199	96.24	212.48	55.64	74.57	47.43
15713	96.21	27.93	0.74	42.68	23.4
22380	96.18	527.26	117	267.03	108.03
16609	96.18	182.57	7.24	307.66	102.75
4449	96.18	503.31	122.16	238.04	92.28
21454	96.13	590.95	73.32	347.49	100.8
10641	96.1	116.46	23.06	26.8	44.19
2860	96.08	309.46	45.16	95.94	83.94
16910	96.05	1149.91	100.8	714.57	206.69
22436	96.05	279.76	35.52	164.4	44.88
5038	96.03	868.99	125.61	408.26	165.84

TABLE 5AA: CPA Timepoint(s): 6 hrs GLGC Identifier					
Attorney Docket 44921-5038-01-WO Document No. 1935828.1					
LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD	
18925	96	20.76	10.18	111.16	53.99
5246	95.97	259.18	20.49	174	37.86
5624	95.97	144.44	43.05	461.94	196.46
11782	95.92	38.48	8.47	89.15	31.4
21150	95.89	199.42	28.46	43.82	130.34
1902	95.87	549.84	126.13	225.1	106.21
5340	95.84	63.81	20.12	345.77	185.52
5481	95.79	418.88	70.91	173.42	97.17
4014	95.76	127.56	9.08	76.26	27.33
2729	95.73	1105.87	94.65	582.94	225.95
23311	95.73	279.83	32.19	161.14	47.69
13336	95.73	113.7	13.56	235.54	98.27
8143	95.71	170.23	41.48	36.73	104.73
20845	95.71	101.81	19.04	244.45	113.42
17455	95.71	58.94	16.19	167.12	68.1
22294	95.71	59.53	6.3	118.67	45.83
19375	95.68	71.81	10.84	154.47	62.84
24273	95.65	140.69	25.48	252.98	59.02
16184	95.6	77.92	12.56	174.14	62.83
14007	95.57	119.96	9.09	205.1	64.49
173	95.55	321.68	77.18	111.75	80.53
19258	95.52	418.64	112.72	116.67	121.67
20188	95.52	90.59	11.88	197.76	86.75
730	95.5	22.32	1.87	46.5	36.75
11708	95.5	1570.75	187.1	978.96	235.48
2161	95.47	718.79	109.4	368.91	279.54
22037	95.47	567.62	29.11	392.61	106.35
10008	95.44	46.79	1.57	56.98	45.71
18679	95.44	314.94	30.16	540.06	130.54
11255	95.44	43.35	6.45	91.87	36.98
3172	95.42	379.58	108	137.15	89.51
9571	95.36	102.94	24.96	258.74	86.25
11021	95.31	112.36	16.22	260.23	96.55
5662	95.31	100.36	9.13	55.73	25.17
17890	95.28	66.54	20.91	33.49	15.01
8817	95.28	534.09	26.54	796.95	193.84
17771	95.26	459.5	39.93	1474.61	829.79
5561	95.26	635.86	54.55	410.29	115.15
7936	95.26	30.51	2.08	53.18	17.85
8710	95.23	99.02	32.46	24.8	34.56
3791	95.2	123	19.41	225.78	55.92
22476	95.18	797.35	122.65	464.58	134.58
11588	95.18	158.03	13.52	90.91	35.29
5073	95.1	219.4	24.53	96.08	77.65
17343	95.07	141.9	41.79	41.44	49.31
7106	95.02	162.46	51.13	40.3	44.28
23542	94.99	411.48	75.6	220.51	81.08
15171	94.99	401.02	57.08	254.06	284.55
1620	94.91	76.11	5.81	128.03	54.9
22282	94.91	53.07	5.52	94.39	29.7
23047	94.78	20.65	1.74	37.72	15.03



TABLE 5AA: CPA Timepoint(s): 6 hrs GLGC					
Attorney Docket 44921-5038-01-WO Document No. 1935828.1					
Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
25507	94.7	35.38	7.64	80.16	43.95
11840	94.49	105.07	9.11	69.26	36.62
1283	94.46	37.16	4.76	102.56	52.44
20450	94.28	30.71	6.02	72.59	29.14
2746	94.28	24.65	3.63	23.96	19.34
18981	94.12	89.2	6.31	166.54	132.76
1719	94.12	43.35	10.72	102.24	50.73
18227	94.09	25.11	2.35	41.74	13.07
21104	94.04	106.12	6	68.88	31.42
209	94.04	22.96	0.93	25.22	15.43
9092	93.91	38.28	12.47	93.58	34.44
18867	93.64	641.41	32.27	826.38	223.34
1241	93.51	22.92	3.87	46.92	21.81
17110	93.43	37.14	11.24	76.55	22.5
4683	93.43	101.33	9.45	168.13	88.83
6601	93.4	25.25	2.88	48.15	27.27
25805	93.3	23.16	5.04	51.26	19.17
16653	93.24	101.11	12.46	158.16	36
17439	93.22	57.45	13.99	114.85	48.83
23293	93.19	26.58	3.94	47.7	13.41
8207	93.14	34.49	5.31	64.35	20.12
1914	93.14	52.99	3.62	85.25	36.56
25707	93.11	44.37	3.98	88.57	53.72
15573	93.06	36.21	4.13	55.86	16.25
826	93.03	152.42	12.77	96.77	37.55
4292	93	34.66	5	64.12	24.26
16263	92.98	84.73	2.55	95.36	29.63
20373	92.98	53.95	6.96	88.33	32.6
23826	92.93	94.27	7.56	145.43	57.8
23302	92.87	43.51	1.71	36.69	21.31
18883	92.74	24.09	3.93	40.68	13.3
17764	92.69	1657.6	115	1186.76	461.24
20701	92.58	603.05	28.74	883.92	394.46
25479	92.55	1592.53	85.74	1189.03	285.05
19238	92.45	50.15	6.3	84.92	30.78
9126	92.42	46.46	6.75	93.88	45.91
17976	92.34	40.43	12.4	78.1	26.9
1375	92.32	53.48	5.77	85.73	29.06
20784	92.24	589.17	42.47	390.96	143.52
20283	92.16	50.37	12.41	114.02	53.58
1143	92.1	49.08	11.87	96.96	56.62
24392	91.81	52.5	11	101.15	41.81
15610	91.76	23.38	7.97	53.7	22.79
14926	91.73	40.32	9.96	86.49	31.25
25754	91.6	21.19	2.5	39.72	17.67
16922	91.55	1104.21	54.05	833.35	196.16
20236	91.36	68.89	16.41	149.2	74.94
889	91.31	28.61	5.71	57.55	25.48
229	91.2	931.81	106.68	679.77	159.28
1624	91.07	203.55	11.31	262.08	53.25
16332	91.04	39.42	9.94	79.21	37.41

TABLE 5AA: CPA					
Timepoint(s): 6 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16825	91.04	35.83	8.73	21.62	11.53
24473	91.04	92.38	8.24	139.15	43.01
16108	91.04	173.14	7.06	140.36	27.59
21915	90.99	759.26	80.93	564.61	133.43
17577	90.96	31.71	9.67	72.29	28.89
25343	90.94	35.44	8.05	70.71	30.5
24621	90.94	41	7.36	73.88	28.41
2643	90.89	26.15	5.54	51.02	20.81
25216	90.89	25.75	4.45	52.69	36.06
10980	90.83	20.78	7.05	47.51	19.94
14925	90.83	193.95	25.99	323.81	105
17206	90.78	42.9	9.6	79.16	26.01
24757	90.75	46.07	10.04	77.86	31.85
16924	90.7	330.54	72.13	188.19	110.76
24	90.62	23.27	7.38	52.69	25.07
976	90.57	21.19	4.73	38.49	15.85
24430	90.54	22.06	2.05	30.92	19.92
16383	90.54	28.2	7.68	55.87	39.49
24869	90.51	35.21	13.55	83.74	39.46
11839	90.51	24.75	10.1	72.07	43.23
9074	90.51	76.08	9.9	119.79	44.6
15185	90.38	66.86	4.27	61.06	101.26
18897	90.28	66.18	13.15	122.46	46.55
2356	90.28	70.82	8.07	106.24	29.47
3928	90.28	28.23	5.06	54.93	22.13
18618	90.14	1292.25	36.59	1150.73	216.85
17649	90.04	21.9	3.61	50.27	28.14
20854	90.01	31.79	4.85	67.6	50.26
2070	90.01	45.04	8.46	81.28	27.05
16912	90.01	221.66	21.16	303.16	79.12
3783	89.98	20.05	5.91	40.16	15.06
16768	89.96	544.26	29.95	494.82	162.98
442	89.9	20.59	3.46	37.22	16.12
20402	89.88	26.04	5.63	44.89	14.65
25322	89.85	84.09	22.98	158.7	55.28
16839	89.85	29.32	9.43	59.27	28.22

TABLE 5BB: DICLOFENAC					
Timepoint(s): 24, hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLC/C Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2248	99.42	123.05	20.63	276.37	64.08
22512	99.18	336.76	228.52	30.43	59.64
14081	99.18	750.44	470.01	42.44	119.33
22514	99.02	552.77	366.47	52.29	74.71
18465	99.02	696.39	23.92	275.39	190.6
6431	98.97	1162.87	697.58	184.89	232.1
18580	98.97	957.57	165.01	224.79	140.2
14504	98.94	1105.51	793.3	141.66	169.98
23555	98.89	215.07	62.04	28.99	30.81
13353	98.86	99.16	10.35	285.39	60.5
3452	98.86	194.02	36.2	31.77	32.37
22513	98.86	6348.24	2457.86	25.17	731.18
21445	98.86	146.46	45.47	20.44	49.88
19703	98.83	38.21	5.5	111.44	38.67
25052	98.83	1017.44	639.62	31.88	130.45
23889	98.81	54.47	14	181.08	60.56
4444	98.81	42.8	23.25	618.7	352.58
20803	98.81	70.55	7.85	286.63	114.33
24237	98.81	911.16	255.19	186.41	102.92
7225	98.78	719.26	93.75	342.63	93.48
17281	98.73	201.68	20.99	629.02	191.28
1809	98.7	3248.17	2400.05	128.8	721.62
22515	98.65	3274.06	1504.56	123.05	365.16
7697	98.62	123.53	16.25	451.92	149.95
20529	98.62	1526.01	706.95	129.08	178.59
11966	98.57	159.04	4.79	295.17	95.77
14600	98.57	313.62	64.89	116.49	54.82
4026	98.54	957.89	143.85	373.03	129.82
17913	98.52	92.83	15.81	195.84	44.19
21281	98.46	116.9	18.8	307.3	79.38
20698	98.46	3100.88	519.76	894.92	436.82
22522	98.44	111.57	20.12	248.85	63.35
1561	98.44	2089.87	444.45	870.4	215.28
21660	98.44	4788.18	968.74	1744.98	724.08
12577	98.44	1074.93	280.47	156.76	140.13
25290	98.38	157.38	13.62	50.51	74.77
6532	98.38	260.11	19.09	140.84	43.61
9166	98.33	130.71	46.97	28.83	18.32
11904	98.31	160.67	12.68	60.38	43.62
21740	98.31	2324.58	720.55	735.41	291.35
5197	98.25	665.08	91.17	332.53	86
1175	98.23	72.7	15.21	631.74	347.72
11553	98.23	263.42	25.11	92.62	46.25
22598	98.2	2883.49	1095.79	993.37	345.97
18994	98.2	57.38	2.69	29.85	12.42
699	98.2	1237.14	187.92	610.41	155.87
26320	98.15	144.01	56.59	23.9	32.81
11720	98.15	1489.98	359.38	743.47	267.56
16809	98.15	130.18	28.14	29.63	25.5
21657	98.12	1770.79	258.03	750.1	290.74
4439	98.12	502.34	119.99	222.01	60.98

TABLE 5BB: DICLOFENAC					
Timepoint(s): 24, hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1221	98.12	627.32	163.76	31.87	119.86
3265	98.09	62.91	17.76	225.9	90.16
1854	98.09	5465.43	775.66	1968.13	947.45
20354	98.09	350.06	81.49	51.73	57.86
2939	98.07	45.3	15.15	208.16	81.81
15189	98.07	5969.98	386.71	1653.18	1653.8
6479	98.07	2289.3	197.25	1041.02	391.42
8522	98.07	480.18	173.39	149.92	76.01
1850	98.07	6728.75	1010.26	2461.72	1089.81
19	98.07	1463.42	232.84	590.66	210.37
16367	98.04	304.75	182.47	1419.78	542.72
4969	98.04	1755.88	638.34	261.33	250.1
11203	98.01	68.58	2.09	42.4	18.09
2161	98.01	1595.75	274.89	367.24	274.12
6018	97.99	749.11	182.64	5848.41	3949.32
24249	97.99	428.32	12.89	1446.45	1263.42
7784	97.96	40.67	11.95	121.82	50.8
4191	97.96	258.34	4.33	183.79	78.42
22030	97.96	7883.99	135.84	8120.43	4261.97
11959	97.93	40.15	4.6	97.1	31.57
2310	97.93	603.36	352.07	90.42	99.17
22321	97.91	177.49	38	77.19	109.51
563	97.88	2576.2	241.31	1370.88	388.51
5110	97.88	870.99	206.61	322.35	110.36
24082	97.85	262.26	14.27	158.75	62.78
6862	97.85	151.27	16.77	320.59	110.78
4084	97.85	71.15	12.44	194.07	64.18
23321	97.83	63.68	31.09	238.36	64.78
3504	97.83	559.61	125.07	284.83	82.89
26133	97.8	649.04	133.72	191.79	217.17
9842	97.8	831.74	70.75	1604.42	413.81
10659	97.8	648.61	122.28	157.32	138.92
14481	97.78	1271.59	344.57	489.91	168.45
20	97.78	852.43	123.48	346.14	135.56
2555	97.78	383.1	140.99	126.87	88.36
3292	97.78	7492.5	1443.96	2555	1370.84
20605	97.75	246.93	38.56	112.87	50.48
309	97.75	1276.81	260.98	694.08	136.26
15284	97.75	399.67	66.24	201.11	56.2
17340	97.75	3144.79	753.44	1199.84	591.08
19411	97.72	103.78	16.34	33.84	21.73
19082	97.7	448.09	14.54	318.06	60.33
8597	97.67	175.18	13.53	102.88	33.13
20701	97.67	2490.8	624.91	879.77	386.8
11596	97.64	204.07	8.62	112.17	51.53
4951	97.64	657.08	84.96	204.22	158.01
10320	97.62	36.54	3.72	78.9	23.21
412	97.62	4643.75	1399.8	1637.06	815.45
6296	97.56	84.44	0.49	87.19	27.36
20889	97.54	435.07	184.77	155.58	72.49
15652	97.51	2207.48	158.31	1501.42	366.17

TABLE 5BB: DICLOFENAC					
Timepoint(s): 24, hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23569	97.51	120.9	29.9	261.09	59.61
16726	97.46	292.15	101.58	792.75	196.26
155	97.46	105.31	49.11	41.74	26.6
358	97.4	2982.73	459.97	1475.19	463.5
23869	97.4	175.4	32.45	65.04	132.7
4450	97.38	99.16	6.61	197.15	61.13
8097	97.38	1564.26	321.91	807.52	193.29
21977	97.35	175.05	58.91	708.56	219.76
21978	97.33	62.93	7.26	177.97	66.66
25112	97.3	42.85	0.76	22.12	19.76
20707	97.3	68.7	64.18	607.34	298.88
16519	97.27	1229.29	290.23	368.96	220.83
16446	97.27	28.54	1.46	62.46	20.61
5622	97.22	2725.41	505.82	1593.05	373.48
4314	97.17	215.14	33.24	455.42	117.76
15115	97.17	49.63	3.52	26.46	13.62
23868	97.14	579.71	92.07	235.15	688.31
23322	97.14	185.8	85.55	556.77	145.98
2153	97.14	59.02	10.93	27.5	16.14
2853	97.11	121.1	21.77	57.69	45.93
24228	97.09	1920.8	552.93	977.26	259.71
21014	97.06	418.99	61.15	1043.77	351.03
23301	97.06	92.56	16.56	188.16	47.67
8210	97.06	405.39	124.68	126.29	86.65
15626	97.06	2124.33	290.87	1329.46	251.25
20114	97.03	64.45	6.01	27.02	26.71
19392	97.03	2795.11	688.74	1455.54	349.41
20298	96.98	637.18	8.37	508.65	152.64
3604	96.98	42.06	4.01	80.53	22.91
5384	96.98	131.54	29.81	27.29	61.5
16366	96.95	182.94	101.39	798.85	304
16198	96.93	194.54	41.59	93.11	37.06
21707	96.93	206.79	62.29	40.94	52.29
18541	96.93	1513.68	54.25	1076.93	225.43
10306	96.9	684.54	148.28	343.87	103.05
4198	96.9	1755.06	186.43	1089.27	230.7
25691	96.9	1243.83	80.1	887.18	306.88
16520	96.88	3617.88	707.67	1783.61	608.39
1641	96.85	237.07	33.58	110.38	51.88
18611	96.8	1883.04	397.42	1139.82	540.71
4133	96.74	132.22	38.36	375.36	112.11
17530	96.74	54.11	22.11	256.81	108.06
9134	96.72	324.43	15.37	473.65	107.28
24263	96.66	42.49	2.35	20.33	14.62
1540	96.66	77.16	11.72	161.63	58.63
3431	96.66	1601.08	72.37	1043.5	312.68
12848	96.61	62.44	22.75	194.15	65.15
871	96.61	78.18	7.85	43.74	16.04
13088	96.58	212.24	140.67	1277.88	438.73
15612	96.56	100.23	6.66	445.31	327.96

TABLE 5CC: DICLOFENAC					
Timepoint(s): 24 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935323.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2248	99.42	123.05	20.63	276.37	64.08
14081	99.18	750.44	470.01	42.44	119.33
18465	99.02	696.39	23.92	275.39	190.6
6431	98.97	1162.87	697.58	184.89	232.1
19703	98.83	38.21	5.5	111.44	38.67
20803	98.81	70.55	7.85	286.63	114.33
4444	98.81	42.8	23.25	618.7	352.58
1809	98.7	3248.17	2400.05	128.8	721.62
14600	98.57	313.62	64.89	116.49	54.82
11966	98.57	159.04	4.79	295.17	95.77
4026	98.54	957.89	143.85	373.03	129.82
17913	98.52	92.83	15.81	195.84	44.19
20698	98.46	3100.88	519.76	894.92	436.82
22522	98.44	111.57	20.12	248.85	63.35
6532	98.38	260.11	19.09	140.84	43.61
9166	98.33	130.71	46.97	28.83	18.32
5197	98.25	665.08	91.17	332.53	86
11553	98.23	263.42	25.11	92.62	46.25
18994	98.2	57.38	2.69	29.85	12.42
16809	98.15	130.18	28.14	29.63	25.5
11720	98.15	1489.98	359.38	743.47	267.56
1221	98.12	627.32	163.76	31.87	119.86
4439	98.12	502.34	119.99	222.01	60.98
21657	98.12	1770.79	258.03	750.1	290.74
20354	98.09	350.06	81.49	51.73	57.86
3265	98.09	62.91	17.76	225.9	90.16
19	98.07	1463.42	232.84	590.66	210.37
1850	98.07	6728.75	1010.26	2461.72	1089.81
6479	98.07	2289.3	197.25	1041.02	391.42
2939	98.07	45.3	15.15	208.16	81.81
16367	98.04	304.75	182.47	1419.78	542.72
2161	98.01	1595.75	274.89	367.24	274.12
11203	98.01	68.58	2.09	42.4	18.09
24249	97.99	428.32	12.89	1446.45	1263.42
6018	97.99	749.11	182.64	5848.41	3949.32
22030	97.96	7883.99	135.84	8120.43	4261.97
4191	97.96	258.34	4.33	183.79	78.42
7784	97.96	40.67	11.95	121.82	50.8
11959	97.93	40.15	4.6	97.1	31.57
4084	97.85	71.15	12.44	194.07	64.18
6862	97.85	151.27	16.77	320.59	110.78
24082	97.85	262.26	14.27	158.75	62.78
3504	97.83	559.61	125.07	284.83	82.89
23321	97.83	63.68	31.09	238.36	64.78
10659	97.8	648.61	122.28	157.32	138.92
9842	97.8	831.74	70.75	1604.42	413.81
2555	97.78	383.1	140.99	126.87	88.36
20	97.78	852.43	123.48	346.14	135.56
14481	97.78	1271.59	344.57	489.91	168.45
17340	97.75	3144.79	753.44	1199.84	591.08
15284	97.75	399.67	66.24	201.11	56.2

TABLE 5CC: DICLOFENAC					
Timepoint(s): 24 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
309	97.75	1276.81	260.98	694.08	136.26
20605	97.75	246.93	38.56	112.87	50.48
19082	97.7	448.09	14.54	318.06	60.33
20701	97.67	2490.8	624.91	879.77	386.8
8597	97.67	175.18	13.53	102.88	33.13
4951	97.64	657.08	84.96	204.22	158.01
412	97.62	4643.75	1399.8	1637.06	815.45
10320	97.62	36.54	3.72	78.9	23.21
6296	97.56	84.44	0.49	87.19	27.36
9583	97.56	299.68	83.41	61.1	99.67
8817	97.56	1208.25	71.46	795.38	193.32
20889	97.54	435.07	184.77	155.58	72.49
6825	97.54	220.78	18.83	427.45	116.42
12108	97.54	162.64	23.68	354.51	99.65
21209	97.51	409.26	138.72	83.36	83.88
6366	97.51	634.09	146.11	274.67	103.36
1690	97.51	333.9	55.29	150.91	49.41
16706	97.51	341.19	41.09	183.25	51.87
23569	97.51	120.9	29.9	261.09	59.61
15652	97.51	2207.48	158.31	1501.42	366.17
8215	97.48	898.23	238.43	386.94	135.31
18239	97.46	125.92	19	31.14	28.12
155	97.46	105.31	49.11	41.74	26.6
16726	97.46	292.15	101.58	792.75	196.26
19412	97.43	747.4	71.56	387	117.83
21871	97.43	595.81	105.03	323.19	79.41
358	97.4	2982.73	459.97	1475.19	463.5
23869	97.4	175.4	32.45	65.04	132.7
6189	97.38	434.7	248.73	3932.55	2204.54
4450	97.38	99.16	6.61	197.15	61.13
8097	97.38	1564.26	321.91	807.52	193.29
21977	97.35	175.05	58.91	708.56	219.76
3773	97.35	279.96	56.93	67.59	60.5
5111	97.35	686.4	173.48	235.43	134.49
10532	97.35	570.1	71.47	279.06	93.25
1431	97.33	28.55	23.44	433.11	188.55
22619	97.33	710.18	106.2	299.88	114.53
11438	97.33	147.39	15.6	67.58	27.21
11322	97.33	1129.97	93.13	701	170.55
10269	97.33	3302.71	386.33	2041.79	390.93
8794	97.33	2165.18	720.69	1099.96	281.4
22746	97.3	707.53	186.64	277.13	131.57
25112	97.3	42.85	0.76	22.12	19.76
20707	97.3	68.7	64.18	607.34	298.88
16446	97.27	28.54	1.46	62.46	20.61
24200	97.27	1227.62	173.04	438.65	250.36
16519	97.27	1229.29	290.23	368.96	220.83
11934	97.25	140.68	16.52	76.25	22.82
23422	97.25	82.48	7.53	46.51	18.73
5622	97.22	2725.41	505.82	1593.05	373.48
15115	97.17	49.63	3.52	26.46	13.62



TABLE 5CC: DICLOFENAC			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24 hrs			Document No. 1935828.1		
GLCC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23868	97.14	579.71	92.07	235.15	688.31
23322	97.14	185.8	85.55	556.77	145.98
2153	97.14	59.02	10.93	27.5	16.14
2853	97.11	121.1	21.77	57.69	45.93
21014	97.06	418.99	61.15	1043.77	351.03
23301	97.06	92.56	16.56	188.16	47.67
8210	97.06	405.39	124.68	126.29	86.65
15626	97.06	2124.33	290.87	1329.46	251.25
20114	97.03	64.45	6.01	27.02	26.71
20298	96.98	637.18	8.37	508.65	152.64
3604	96.98	42.06	4.01	80.53	22.91
5384	96.98	131.54	29.81	27.29	61.5
16366	96.95	182.94	101.39	798.85	304
16198	96.93	194.54	41.59	93.11	37.06
21707	96.93	206.79	62.29	40.94	52.29
18541	96.93	1513.68	54.25	1076.93	225.43
10306	96.9	684.54	148.28	343.87	103.05
4198	96.9	1755.06	186.43	1089.27	230.7
25691	96.9	1243.83	80.1	887.18	306.88
16520	96.88	3617.88	707.67	1783.61	608.39
1641	96.85	237.07	33.58	110.38	51.88
18611	96.8	1883.04	397.42	1139.82	540.71
4133	96.74	132.22	38.36	375.36	112.11
17530	96.74	54.11	22.11	256.81	108.06
9134	96.72	324.43	15.37	473.65	107.28
24263	96.66	42.49	2.35	20.33	14.62
1540	96.66	77.16	11.72	161.63	58.63
3431	96.66	1601.08	72.37	1043.5	312.68
12848	96.61	62.44	22.75	194.15	65.15
871	96.61	78.18	7.85	43.74	16.04
13088	96.58	212.24	140.67	1277.88	438.73
15612	96.56	100.23	6.66	445.31	327.96
2367	96.5	153.33	95.09	398.08	98.45
2368	96.45	519.34	219.75	1083.1	200.39
6774	96.45	34.91	2.63	61.67	17.43
25550	96.42	70.64	4.66	39.47	24.33
18606	96.42	1207.33	160.05	728.42	177.68
25276	96.37	130.69	3.42	82.19	44.48
15653	96.37	1638.85	135.67	1072.9	274.97
17541	96.35	540.76	254.84	1632.87	639.3
18400	96.35	113.89	31.38	49.8	24.43
24665	96.35	492.27	119.8	186.37	108.67
25480	96.29	162.71	72.51	606.67	192.61
18038	96.29	91.7	20.91	249.54	90.46
21643	96.27	1451.47	224.01	891.61	221.53
1173	96.24	386.94	112.68	1574.5	700.64
25701	96.21	59.86	10.02	141	47.02
20161	96.16	120.47	45.25	28.99	55.43
1818	96.13	4439.99	851.1	2106.14	824.19
12052	96.11	416.2	73.91	211.06	88.68
1069	96.05	2693.85	405.96	1609.08	390.9

TABLE 5CC: DICLOFENAC					
Timepoint(s): 24 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
9527	96	46.68	19.65	236.3	129.2
20888	95.97	412.42	130.5	163.03	97
1099	95.95	106.98	12.5	224.9	72.74
25317	95.95	2669.42	378.25	1382.32	466.93
18564	95.95	165.29	41.33	382.07	96.93
17377	95.92	201.9	63.94	73.68	49.91

TABLE 5DD: DICLOFENAC					
Timepoint(s): 3, 6 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21098	98.99	2895.56	298.17	1143.47	530.83
13222	98.57	412.94	33.98	244.33	49.84
6057	98.54	403.63	125.03	111.33	139.16
402	98.54	2914.7	355.69	1199.65	404.18
15191	98.49	5192.83	419.85	1205.02	1309.99
6919	98.49	1532.73	188.03	339.91	285.97
16859	98.43	759.09	81.64	232.86	108.39
23626	98.38	365.24	17.61	139.71	87.92
8715	98.38	3414.69	298.43	1557.34	640.82
3452	98.35	129.09	22.21	31.71	32.65
14425	98.27	2123.57	645.32	449.15	427.92
11830	98.25	1903.95	286.13	619.98	243.51
6295	98.25	2704.98	310.32	1085.88	426.2
20354	98.2	311.83	57.77	51.26	57.05
1844	98.06	386.32	100.75	113.99	61.69
12306	98.06	3648.59	940.68	1135.82	502.5
1221	98.04	527.52	137.11	31.03	118.66
356	97.98	354.82	49.42	145.21	64.12
14997	97.93	1153.88	376.73	285.42	271.16
21568	97.88	269.87	99.63	66.65	49.99
24200	97.88	1517.94	278.19	435.74	242.77
4670	97.88	2496.11	502	480.38	410.8
18783	97.82	737.39	64.53	389.2	112.99
548	97.8	57.46	14.06	400.27	222.71
1841	97.72	233.58	57.2	46.74	51.26
6891	97.66	264.26	28.13	544.98	219.71
2557	97.66	92.91	19.66	35.46	16.47
19	97.66	1290.82	157.48	589.54	209.47
22906	97.61	2114.49	469.86	555.71	414
23606	97.58	1317.16	356.02	402.85	216.17
2655	97.4	69.75	18.39	287.17	169.4
21707	97.35	212.84	51.62	40.56	51.66
5384	97.27	148.99	35.13	27	61.22
16562	97.27	473.78	127.36	205.24	71.09
23608	97.19	1208.38	291.55	396.25	181.28
14561	97.13	301.51	38.61	180.81	57.5
3617	97.11	2739.52	313.16	1367.84	516.18
16821	97.08	1060.67	209.13	535.3	143.56
9424	97.05	2225.46	477.8	1008.91	374.91
23491	97.03	37.59	15.67	140.44	66.6
15190	96.95	6551.63	708.1	1820.91	1692.04
2359	96.89	22.13	11.54	101.28	46.5
18795	96.89	1412.82	402.36	538.19	196.3
19012	96.82	896.84	128.33	438.96	163.43
6479	96.76	2129.89	252.93	1039.05	389.39
12792	96.71	107.68	14.92	42.38	35.81
10270	96.71	20.84	19.68	140.18	62.9
2368	96.71	658.98	74.66	1083.7	200.52
8477	96.66	625.57	128.85	300.92	116.79
2961	96.55	94.68	17.39	41.06	20.17
20	96.55	719.66	108.64	345.63	135.46

TABLE 5DD: DICLOFENAC					
Timepoint(s): 3, 6 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3773	96.52	237.12	61.33	67.32	60.27
17664	96.5	715.67	141.01	279.32	160.36
17950	96.36	195.3	21.06	106.91	40.34
14776	96.36	52.62	7.91	148.14	49.23
16327	96.28	236.77	64.26	544.9	157.57
1639	96.28	101.27	17.82	197.14	45.79
7913	96.13	312.36	54.3	165.09	71.72
15103	96.05	134.3	3.56	179.38	33.07
22840	96.02	1649.81	308.3	873.65	258.97
12946	96.02	155.12	26.49	349.58	99.66
12088	95.83	241.33	35.14	119.28	53.51
17800	95.78	40.88	10.48	102.12	36.29
20161	95.78	100.16	34.79	28.88	55.44
15189	95.78	5938.56	990.57	1644.15	1642.84
25317	95.73	2601.23	361	1379.88	464.15
7451	95.7	1878.35	262.08	1137.68	307.82
8368	95.62	43.09	29.16	192.84	79.45
23230	95.59	164.32	20.46	302.08	105.02
17564	95.49	314.92	17.82	493.73	137.7
11021	95.46	82.39	25.14	260.59	96.22
21574	95.41	533.56	84.01	985.01	271.75
23349	95.3	82.47	6.75	132.74	33.79
21679	95.28	24.4	6.35	61.71	24.1
22733	95.22	63.55	12.91	26.38	20.47
6918	95.22	518.65	16.4	416.5	384.38
24219	95.2	742.54	85.54	379.34	187.82
15606	95.14	394.1	34.7	611.57	139.67
5451	95.09	378.74	18.2	270.07	89.54
23369	94.9	83.29	25.57	227.13	80.12
15170	94.88	78.6	28.28	196.67	56.39
21368	94.8	81.82	12.05	174.81	54.32
13557	94.77	356.74	47.35	636.66	160.37
4383	94.75	156.27	23.64	83.9	33.37
21062	94.72	76.05	16.15	24.89	77.95
3722	94.69	726.67	105.31	395.48	144.35
3730	94.67	3264.3	637.18	1641.3	693.25
16561	94.64	393.63	76.06	227.68	69.2
26335	94.64	2858.06	627.98	1130.13	748.06
1114	94.59	817.1	46.37	566.08	206.94
959	94.56	44.1	4.28	21.21	14.97
10918	94.48	276.78	35.51	161.42	60.59
8237	94.45	170.84	35.21	90.4	35.69
6598	94.45	379.04	52.96	182.85	84.47
8725	94.35	68.91	10.95	23.29	25.02
1877	94.35	374.31	61.37	697.52	185.52
2193	94.35	89.18	16.09	42.41	29.51
10958	94.35	76.5	10.79	41.87	16.04
11840	94.32	32.38	3.98	69.51	36.62
5719	94.32	21.26	22.19	86.48	33.42
15755	94.24	446.61	57.29	741.64	180.47
12422	94.24	42.86	4.56	68.97	21.6

TABLE 5DD: DICLOFENAC			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935323.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20715	94.21	449.89	61.9	383.88	432
10248	94.19	52.62	9.25	25.86	25.23
1805	94.19	2725.65	331.2	1449.2	630.73
228	94.16	384.45	12.49	485.4	121.74
6013	94.03	3000.23	187.33	1899.84	625.62
16135	94	5451.45	291.82	3555.2	2539.97
23300	94	124.15	13.1	254.63	97.85
23368	93.92	24	7.28	76.35	35.27
12010	93.9	59.33	4.75	106.17	37.5
18302	93.76	404.35	116.32	146	137.28
1404	93.71	23.16	6.66	64.75	30.9
1876	93.52	415.08	82.79	775.09	202.2
17787	93.47	2375.51	97.48	1559.9	1004.11
18402	93.47	34.87	8.04	69.71	21.06
15188	93.44	136.62	9.03	188.86	35.57
960	93.39	130.81	14.13	215.85	65.85
18723	93.31	364.82	40.26	556.56	126.38
1904	93.31	513.91	65.51	976.01	545.92
1804	93.26	4964.54	605.41	2595.22	1260.97
18564	93.15	220.08	37.71	382.3	96.96
17379	93.13	229.33	24.92	117.99	71.05
23348	93.13	47	3.97	75.54	22.33
21827	93.1	111.01	11.85	164.08	37.68
13092	92.97	42.78	38.01	221.01	123.49
14591	92.94	32.03	7.91	70.16	24.41
16130	92.83	5184.54	390.69	3525.46	2339.12
15675	92.81	284.38	35.01	449.15	187.1
25563	92.73	883.55	158.59	1406.91	309.32
15017	92.6	5560.91	358.68	3971.97	2710.22
15426	92.3	170.4	21.13	266.54	62.97
23569	92.3	172.2	24.29	261.17	59.74
15936	92.25	48.19	11.55	24.69	17.52
16123	92.2	161.58	42.01	82.27	68.22
16401	92.17	8708.17	642.14	5353.63	5001.54
10530	92.14	56.5	9.41	101.21	34.36
16150	92.09	933.17	99.46	668.68	277.14
6478	92.09	6079	548.16	3223.82	1796.75
8641	92.04	435.2	70.94	221.17	143.8
21013	92.04	2865.74	139.93	2614.05	1219.9
1843	92.02	79.5	14.81	29.38	16.31
17109	92.01	7214.62	625.72	4950.32	4394.45
21917	91.97	342.09	108.81	74.09	63.39
20168	91.95	343.75	132.92	52.24	72.77
12423	91.91	94.66	17.41	168.85	72.45
2367	91.83	258.09	34.72	398.15	98.83
23045	91.8	221.05	18.12	163.93	54.31
355	91.79	176.62	21.06	64.55	37.78
15980	91.77	25.65	10.24	63.69	23.22
18301	91.75	301.7	71.49	147.3	94.31
19942	91.69	194.61	8.46	144.77	54.12
1174	91.64	3663.8	251.71	2386.49	1397.25

TABLE SDD: DICLOFENAC			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22567	91.61	111.14	13.97	178.29	48.4
21653	91.56	349.67	23.57	264.44	91.66
18675	91.51	1228.45	105.34	797.85	503
1350	91.43	65.04	4.6	101.63	31.77
22910	91.32	188.79	23.68	284.05	62.76
16809	91.31	110.62	32.46	29.5	25.35
15186	91.24	86.67	8.28	127.78	36.34

TABLE 5EE: DICLOFENAC			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
13222	98.57	412.94	33.98	244.33	49.84
6057	98.54	403.63	125.03	111.33	139.16
14425	98.27	2123.57	645.32	449.15	427.92
1221	98.04	527.52	137.11	31.03	118.66
21568	97.88	269.87	99.63	66.65	49.99
548	97.8	57.46	14.06	400.27	222.71
2557	97.66	92.91	19.66	35.46	16.47
6891	97.66	264.26	28.13	544.98	219.71
5384	97.27	148.99	35.13	27	61.22
23608	97.19	1208.38	291.55	396.25	181.28
14561	97.13	301.51	38.61	180.81	57.5
16821	97.08	1060.67	209.13	535.3	143.56
19012	96.82	896.84	128.33	438.96	163.43
6479	96.76	2129.89	252.93	1039.05	389.39
10270	96.71	20.84	19.68	140.18	62.9
12792	96.71	107.68	14.92	42.38	35.81
8477	96.66	625.57	128.85	300.92	116.79
2961	96.55	94.68	17.39	41.06	20.17
3773	96.52	237.12	61.33	67.32	60.27
17664	96.5	715.67	141.01	279.32	160.36
17950	96.36	195.3	21.06	106.91	40.34
1639	96.28	101.27	17.82	197.14	45.79
16327	96.28	236.77	64.26	544.9	157.57
7913	96.13	312.36	54.3	165.09	71.72
15103	96.05	134.3	3.56	179.38	33.07
12088	95.83	241.33	35.14	119.28	53.51
20161	95.78	100.16	34.79	28.88	55.44
25317	95.73	2601.23	361	1379.88	464.15
8368	95.62	43.09	29.16	192.84	79.45
17564	95.49	314.92	17.82	493.73	137.7
23349	95.3	82.47	6.75	132.74	33.79
21679	95.28	24.4	6.35	61.71	24.1
6918	95.22	518.65	16.4	416.5	384.38
22733	95.22	63.55	12.91	26.38	20.47
24219	95.2	742.54	85.54	379.34	187.82
5451	95.09	378.74	18.2	270.07	89.54
23369	94.9	83.29	25.57	227.13	80.12
21368	94.8	81.82	12.05	174.81	54.32
4383	94.75	156.27	23.64	83.9	33.37
21062	94.72	76.05	16.15	24.89	77.95
26335	94.64	2858.06	627.98	1130.13	748.06
16561	94.64	393.63	76.06	227.68	69.2
959	94.56	44.1	4.28	21.21	14.97
10918	94.48	276.78	35.51	161.42	60.59
6598	94.45	379.04	52.96	182.85	84.47
8237	94.45	170.84	35.21	90.4	35.69
10958	94.35	76.5	10.79	41.87	16.04
2193	94.35	89.18	16.09	42.41	29.51
1877	94.35	374.31	61.37	697.52	185.52
8725	94.35	68.91	10.95	23.29	25.02
5719	94.32	21.26	22.19	86.48	33.42



TABLE 5EE: DICLOFENAC Attorney Docket 44921-5038-01-WO					
Timepoint(s): 3, 6 hrs Document No. 1935828.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15755	94.24	446.61	57.29	741.64	180.47
12422	94.24	42.86	4.56	68.97	21.6
3725	94.19	142.26	41.16	44.4	53.55
10248	94.19	52.62	9.25	25.86	25.23
228	94.16	384.45	12.49	485.4	121.74
22251	94.08	153.02	21.22	95.25	38.99
6252	94.03	175.57	30.66	369.52	149.64
23300	94	124.15	13.1	254.63	97.85
16135	94	5451.45	291.82	3555.2	2539.97
18004	93.98	100.14	19.83	47.04	31.05
23368	93.92	24	7.28	76.35	35.27
8917	93.9	121.68	25.68	42.47	42.63
23005	93.9	191.35	31.62	124.41	86.42
12010	93.9	59.33	4.75	106.17	37.5
14404	93.82	825.25	223.47	315.66	277.71
18302	93.76	404.35	116.32	146	137.28
22619	93.76	506.47	62.44	299.87	115.44
14459	93.76	7567.09	496.35	4348.63	2005.16
1404	93.71	23.16	6.66	64.75	30.9
11251	93.55	176.33	26.91	84.83	66.71
1876	93.52	415.08	82.79	775.09	202.2
18402	93.47	34.87	8.04	69.71	21.06
17787	93.47	2375.51	97.48	1559.9	1004.11
15188	93.44	136.62	9.03	188.86	35.57
23512	93.42	485.53	59.23	810.99	237.25
22230	93.39	198.57	14.63	144.75	34.07
960	93.39	130.81	14.13	215.85	65.85
5886	93.37	854.6	81.19	562.59	170.54
18172	93.37	91.28	14.8	43.94	39.92
18723	93.31	364.82	40.26	556.56	126.38
1904	93.31	513.91	65.51	976.01	545.92
1804	93.26	4964.54	605.41	2595.22	1260.97
2163	93.23	191.66	34.02	104.84	65.44
18564	93.15	220.08	37.71	382.3	96.96
2897	93.13	82.39	18.82	44.53	25.25
7362	93.13	499.71	119.92	939.41	279.43
17379	93.13	229.33	24.92	117.99	71.05
23348	93.13	47	3.97	75.54	22.33
7583	93.1	278.42	90.42	50.57	124.21
6720	93.1	183.72	57.33	31	97.86
21827	93.1	111.01	11.85	164.08	37.68
18205	93.05	471.05	43.67	340.16	72.47
12301	93.02	236.82	42.03	137.61	66.66
19427	93.02	5521.57	389.76	3976.69	2476
21466	92.99	7958.56	343.83	6529.42	2984.48
13092	92.97	42.78	38.01	221.01	123.49
5396	92.94	142.73	45.03	64.88	74.66
14591	92.94	32.03	7.91	70.16	24.41
7003	92.86	183.39	55.08	397.26	128.32
16130	92.83	5184.54	390.69	3525.46	2339.12
15675	92.81	284.38	35.01	449.15	187.1

TABLE 52E: DICLOFENAC			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
25563	92.73	883.55	158.59	1406.91	309.32
15017	92.6	5560.91	358.68	3971.97	2710.22
15426	92.3	170.4	21.13	266.54	62.97
23569	92.3	172.2	24.29	261.17	59.74
15936	92.25	48.19	11.55	24.69	17.52
16123	92.2	161.58	42.01	82.27	68.22
16401	92.17	8708.17	642.14	5353.63	5001.54
10530	92.14	56.5	9.41	101.21	34.36
16150	92.09	933.17	99.46	668.68	277.14
6478	92.09	6079	548.16	3223.82	1796.75
8641	92.04	435.2	70.94	221.17	143.8
21013	92.04	2865.74	139.93	2614.05	1219.9
17109	92.01	7214.62	625.72	4950.32	4394.45
21917	91.97	342.09	108.81	74.09	63.39
20168	91.95	343.75	132.92	52.24	72.77
12423	91.91	94.66	17.41	168.85	72.45
2367	91.83	258.09	34.72	398.15	98.83
23045	91.8	221.05	18.12	163.93	54.31
15980	91.77	25.65	10.24	63.69	23.22
18301	91.75	301.7	71.49	147.3	94.31
19942	91.69	194.61	8.46	144.77	54.12
22567	91.61	111.14	13.97	178.29	48.4
21653	91.56	349.67	23.57	264.44	91.66
18675	91.51	1228.45	105.34	797.85	503
1350	91.43	65.04	4.6	101.63	31.77
22910	91.32	188.79	23.68	284.05	62.76
16809	91.31	110.62	32.46	29.5	25.35
15186	91.24	86.67	8.28	127.78	36.34
9423	91.23	1899.72	494.08	810.91	290.76
20713	91.16	940.06	150.25	717.94	521.48
24718	91.14	577.26	44.11	750.4	172.87
15630	91.11	21.95	3.32	37.86	12.78
3016	91.06	3883.9	162.24	2791.81	1521.04
21407	90.99	147.55	60.36	50.81	27.56
15242	90.98	29.43	3.66	46.26	13.3
6109	90.98	5084.76	427.43	3583.04	2268.92
14498	90.98	190.73	21.56	293.51	74.29
18770	90.95	337.23	27.45	466.95	106.33
11938	90.9	834.77	83.98	1108.07	201.05
13547	90.84	44.69	4.41	72.34	27.8
20744	90.83	1481.65	317.99	343.77	294.93
12193	90.79	85.94	12.35	128.44	28.13
24766	90.79	21.28	2.26	39.74	21.98
16871	90.74	36.82	2.87	57.18	23.7
826	90.71	52.61	7.67	97.1	37.58
4012	90.68	2248.17	171	2438.05	1162.53
9929	90.63	448.54	48.38	673.08	182.35
243	90.63	41.59	3.77	61.29	24.31
16217	90.63	599.86	45.03	450.16	151.55
17306	90.53	3646.9	140.28	2594.74	1274.48
4185	90.5	5947.25	549.24	4088.41	2983.78

TABLE 5EE: DICLOFENAC					
Timepoint(s): 3, 6 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20938	90.47	487.93	29.41	612.77	105.12
4010	90.34	3193.3	338.4	3087.63	2061.18
4213	90.29	7489.35	711.25	4454.29	3874.87
17740	90.26	2853.93	198.88	2195.43	958.57

TABLE 5FF: DIFLUNISAL					
Timepoint(s): 24 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14595	99.81	326.64	5.25	67.73	82.28
354	99.79	92.36	0.22	82.21	152.61
1857	99.68	135.38	34.61	22.97	156.76
20715	99.63	2716.49	163.16	380.46	421.28
18687	99.58	3600.76	172.19	657.37	578.39
20713	99.55	3608.94	312.55	714.29	508.05
4207	99.5	185.94	8.55	527.67	274.65
23274	99.47	402.83	6.49	611.73	121.31
22416	99.47	437.5	23.89	146.45	101.89
7393	99.42	74.98	0.29	45.23	35.58
2457	99.39	962.87	38.12	251.21	150.93
8527	99.29	296.29	2.22	160.76	177.64
26109	99.23	1616.96	208.74	145	258.03
16807	99.1	6098.25	623.59	2326.3	989.13
14267	99.1	2612.63	146.68	1188.41	382.61
23699	99.1	1669.23	186.12	641.84	305.74
6919	99.05	313.36	1.17	345	296.14
15580	99.02	4010.96	141.66	2244.71	628.1
3943	98.99	40.62	0.2	39.44	20.59
16901	98.99	215.2	3.21	339.04	84.81
18138	98.97	7745.05	249.87	4546.56	1453.1
23183	98.94	515.77	26.78	215.61	90.85
8856	98.94	96.1	3.45	47.93	15.64
20714	98.91	3334.71	868.91	564.34	693.87
5602	98.91	1266.07	120.13	206.09	208.63
18686	98.81	4181.68	704.04	702.56	597.85
18742	98.81	1158.53	154.91	344.23	186.12
4271	98.78	512.28	68.14	59.26	134.04
240	98.76	82.31	0.59	114.6	41.82
16148	98.76	3131.87	592.64	1033.38	371.51
22851	98.76	69.88	1.07	112.97	55.9
20925	98.76	2528.69	381.39	416.44	433.34
4272	98.7	326.83	48.56	33.64	74.6
15577	98.68	3113.86	39.97	1900.42	671.98
23130	98.68	366.67	2.8	524.09	146.28
1858	98.65	243.5	90.09	24.58	181.75
15085	98.62	3316.99	396.59	1428.45	429.04
15408	98.62	625.53	11.49	292.03	164.72
4196	98.6	247.43	44.95	86.13	93.63
1960	98.6	98.18	0.45	77.83	30.22
18293	98.6	3200.02	349.15	1368.4	440.5
4011	98.57	4856.75	731.97	1813.13	670.11
18125	98.54	879.85	16.6	576.01	159.83
3431	98.49	1471.97	17.51	1044	313.19
5213	98.46	626.54	2.92	541.16	185.69
17339	98.44	201.93	7.24	855.88	471.89
6409	98.39	192.76	5.07	108.77	47.06
16275	98.39	5342.33	45.26	3432.65	2260.08
21975	98.33	182.16	2.46	268.53	82.01
21872	98.28	105.6	9.42	186.83	41.67
10887	98.28	65.35	1.5	106.07	32.92

TABLE 5FF: DIFLUNISAL					
Timepoint(s): 24 hrs					
Attorney Docket 44921-5033-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22604	98.28	3212.42	609.6	1027.7	464.38
21341	98.28	1507.43	72.03	855.62	302.78
21354	98.28	2463.17	381.13	422.38	398.02
15582	98.23	13240.99	1092.99	5708.51	2856.56
18072	98.23	57.09	0.78	33.1	24.95
16703	98.23	2323.05	177.21	1167.43	382.89
19099	98.2	122.48	1.45	83.93	33.96
17758	98.15	2134.3	578.84	360.49	368.41
2210	98.15	3413.1	319.9	1990.77	430.41
20711	98.15	1058.07	208.05	134.19	202.08
24665	98.12	50.77	8.77	187.24	109.51
17847	98.12	1109.04	68.03	704.75	149.14
6380	98.12	3422.14	327.69	1761.85	562.03
23698	98.12	1633.49	392.24	356.69	404.55
15579	98.09	3551.99	355.67	1675.76	670.38
15848	98.07	2280.83	100.39	1329.5	349.44
21355	98.07	1996.5	627.15	298.92	276.7
22958	98.07	79.51	0.45	83.02	58.87
14070	98.04	180.41	0.94	171.45	49.28
28	98.04	502.98	13.94	804.95	268.31
11633	98.01	322.01	33.88	77.91	76.39
21750	98.01	400.65	54.98	155.78	70.9
1728	97.99	484.45	19.95	249.91	114.02
2799	97.96	287.89	7.32	492.41	225.66
14763	97.96	1776.92	110	567	402.88
26032	97.94	103.14	30.76	1130.68	604.66
16190	97.91	1387.18	179.63	757.23	213.67
8931	97.88	68.35	1.01	48.48	28.85
16039	97.88	142.52	3.84	233.51	67.42
16215	97.8	408.88	21.59	778.84	177.05
15383	97.78	201.11	2.12	136.83	51.87
6623	97.78	116.56	0.77	115.47	42.41
9772	97.78	60.78	0.54	73.76	39.92
4133	97.72	295.72	3.82	374.97	112.6
25500	97.72	78.04	3.85	155.25	51.57
10754	97.7	130.1	9.34	40.7	57.5
21010	97.7	1495.14	115.56	675.45	295.81
4012	97.67	6489.94	1063.65	2430.81	1149.27
15992	97.62	607.51	16.87	406.64	211.47
18671	97.62	90.07	3.42	39.25	40.3
19393	97.59	379.37	60.17	798.76	189.68
2811	97.59	333.35	12.18	191.71	79.66
23282	97.56	298.84	10.22	442.19	89.33
17728	97.56	4193.46	58.07	2479.83	1319.44
8917	97.54	174.7	22.84	42.6	42.58
21730	97.51	538.03	232	218.83	73.46
16701	97.51	4423	676.48	2271.55	713.2
16521	97.51	469.77	38.23	266.26	66.2
16150	97.43	1573.6	395.32	668.36	274.72
18958	97.41	588.84	57.54	325.11	126.47
15872	97.41	223.12	21.4	499.2	170.08

TABLE 5FF: DIFLUNISAL					
Timepoint(s): 24 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15154	97.41	288.7	30.16	623.63	173.66
25777	97.27	448.38	9.97	685.54	244.67
20984	97.17	1726.78	66.63	1181.05	301.13
19335	97.14	164.87	9.31	296.14	83.97
15124	97.11	2460.11	149.67	1349.34	445.46
19391	97.09	87.1	24.42	320.53	127.27
21575	97.06	300.48	34.01	536.03	129.67
1559	97.01	21.25	3.51	69.74	31.21
3844	96.96	133.02	12.21	66.81	28.77
1793	96.88	1868.73	112.45	1158.95	617.6
1973	96.88	201.75	15.64	391.66	106.99
20802	96.88	39.21	5.73	131.21	61.04
25479	96.85	786.55	36.69	1190.74	285.23
22602	96.77	373.46	67.73	121.61	87.18
17554	96.66	3215.53	437.67	1570.92	604.8
23486	96.61	218.26	7.08	342.64	91.48
22603	96.56	598.4	90.03	260.86	110.37
24537	96.53	450.32	71.52	844.92	185.31
25064	96.51	2088.31	172.33	1186.67	355.89
25319	96.48	8538.83	318.41	4208.95	2875.34
20600	96.45	315.58	17.04	596.96	333.69
11611	96.43	87.75	5.09	151.82	45.55
15125	96.43	3495.72	502.98	1646.16	619.49
20983	96.4	1624.54	141.09	996.65	291.76
17764	96.4	2068.19	97.18	1186.61	460.31
16416	96.37	62.11	3.12	108.85	61.23
382	96.32	188.08	10.02	297.38	89.15
17807	96.29	3536.06	189.77	2045.22	727.16
19018	96.27	181.03	18.11	356.77	119.14
16546	96.21	343.62	20.2	191.66	87.35
1399	96.21	28.91	4.9	97.81	92.64
397	96.11	121.65	7.78	68.03	38.91
16767	96.06	1098.65	97.03	604.95	197.6
18578	96.06	46.9	5.67	167.88	106.31
20931	96	88.28	22.69	435.07	216.75
25501	95.98	56.97	9.75	201.73	116.28
355	95.98	22.14	2.43	65.09	38.41
18315	95.95	116.68	16.48	46.58	38.2
16450	95.95	103.94	10.67	248.94	92.08
20555	95.95	886.45	217.49	339.47	186.15
21152	95.95	6830.97	185.14	3588.66	2474.3
10949	95.92	2718.83	53.76	1870.04	689.67
10623	95.87	1794.44	59.41	1102.66	503.38
15409	95.84	1460.42	212.62	598.63	283.8
25814	95.82	32.25	9.83	138.38	72.95
25070	95.82	865.15	113.07	499.67	128.91
12157	95.79	1472.37	349.51	574.18	982.99
15187	95.79	65.46	2.44	108.49	43.46
24535	95.74	226.85	48.81	609.2	205.56
9905	95.69	768.97	9.38	646.91	151.6
4395	95.61	50.4	1.73	78.19	27.49

TABLE 5CG: DIOXIN					
Timepoint(s): 168 hrs			Attorney Docket 44921-5038-01-WO		
GLGC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12306	100	45.12	5.24	1148.2	528.98
9842	100	3960.74	209.58	1599.04	404.38
9841	100	4423.18	113.14	2165.26	556.94
13185	100	1438.75	190.12	23.15	23.64
23192	99.97	71.87	1.07	218.32	86.14
2922	99.95	133.34	7.91	30.37	23.97
3664	99.92	449.76	19.11	172.72	46.34
24644	99.92	1956.55	143.91	36.49	45.04
191	99.89	2495.34	514.49	47.1	44.07
21489	99.87	1024.29	199.36	125.2	76.13
20703	99.87	5465.11	178.05	442.01	439.48
15599	99.81	986.65	7.59	641.43	141.74
9889	99.81	5330.11	633.19	1741.03	557.78
13187	99.81	1805.73	344.92	27.64	17.13
23584	99.79	756.37	55.02	223.07	86.73
16366	99.79	2467.38	160.59	794.89	297.86
6143	99.79	7928.44	967.04	809.18	349.44
3693	99.76	926.62	138.57	237.46	92.88
1559	99.76	237.36	11.82	69.4	30.55
4007	99.74	273.45	7.72	78.22	46.21
14231	99.71	921.63	158.69	44.05	44.48
16367	99.71	5011.13	664.34	1411.72	525.41
4561	99.71	1118.46	87.77	359.45	95.11
21488	99.68	361.71	135.96	31.18	15.17
10710	99.66	643.41	118.84	176.07	56.21
588	99.63	1923.38	127.1	936.57	268.62
23799	99.63	37.94	2.95	152.42	59.53
24649	99.63	327.63	40.01	119.68	29.37
23851	99.63	901.49	54.97	407.29	128.23
9723	99.63	1672.55	10.19	1080.04	264.05
19443	99.58	3166.51	254.64	1363.96	431.16
15107	99.58	11779.22	470.15	3926.89	2629.4
70	99.55	113.27	9.16	473.15	142.96
6016	99.55	9537.97	2789.98	2086.82	704.11
21657	99.55	210.48	24.41	753.12	293.81
15252	99.55	844.88	58.71	341.17	110.84
19129	99.52	921.92	68.46	487.06	81.44
3062	99.52	10420.59	2703.35	3289.84	863.73
8182	99.52	680.21	21.69	1455.78	335.19
1869	99.52	2949.73	247.42	1263.58	344.78
21288	99.52	1240.96	310.61	410.07	139.6
22727	99.47	8315.63	941.27	3516.33	948.93
18027	99.44	576.29	207.71	48.26	23.9
19322	99.44	964.39	62.5	532.85	115.91
15188	99.42	309.06	12.05	188.45	35.36
20429	99.42	101.38	11.86	625.22	260.42
489	99.42	3511.28	549.72	30.75	321.21
4511	99.39	460.24	40.55	213.17	63.84
6594	99.39	734.46	22.12	465.75	89.75
25284	99.39	434.9	78.63	35.6	33.03
17662	99.36	654.65	18.95	402.03	75.54



TABLE 5GC: DIOXIN					
Timepoint(s): 168 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
179	99.34	42.35	8.43	144.72	47.92
13563	99.34	4122.68	998.88	1179.22	336.82
293	99.34	36.87	7.22	235.86	84.78
16305	99.31	3595.94	914.71	1141.15	344.76
6121	99.29	113.62	15.3	34.42	15.97
3365	99.29	192.12	21.52	804.44	238.33
8661	99.26	224.85	71.03	26.6	156.55
699	99.26	1172.51	25.16	610.85	157.06
23520	99.23	250.96	5.31	146.34	52.63
4245	99.23	1992.81	270.32	736.36	169.63
17359	99.23	11372.36	2758.4	3718.75	1008.01
16307	99.23	213.34	0.8	164.49	43.22
20430	99.21	90.52	19.8	825.34	378.93
24341	99.18	74.78	5.07	34.5	47.99
15098	99.18	42.84	1.4	118.8	41.13
6628	99.15	634.88	78.78	287.9	73.75
16780	99.15	1362.14	513.45	308.23	102.83
23320	99.15	532.99	37.28	240.86	77.45
25725	99.13	724.78	271.51	141.84	58.66
14149	99.13	40.54	1.35	89.86	33.11
21468	99.13	57.17	0.83	27.9	88.27
20669	99.1	254	16.47	127.12	38.82
12314	99.1	5617.22	749.84	2159.45	664.43
488	99.07	8688.94	2485.17	134.23	652.38
16905	99.05	166.94	11.9	69.25	38.54
16781	99.05	1700.4	746.5	326.9	111.74
3488	99.05	133.89	7.23	60.03	29.31
4918	99.05	477.88	19.29	206.95	102.5
22713	99.02	72.88	3.44	230.08	90.15
18525	99.02	495.81	69.06	202.68	79.49
20705	98.99	11263.92	2621.54	1011.22	852.84
8594	98.97	1013.91	50.86	544.16	134.75
1698	98.97	1686.86	259.61	208.61	204.62
16018	98.94	96.76	8.44	47.74	31.03
21740	98.94	393.75	21.16	739.32	301.35
2581	98.94	26.93	3.01	89.88	32.33
15126	98.94	4704.33	738.51	1270.37	521.78
21051	98.94	52.38	1.52	168.9	87.58
14495	98.91	1168.01	309.82	321.92	106.49
409	98.91	157.03	2.52	102.42	57.39
2354	98.91	2565.91	493.93	816.22	282.15
1169	98.91	442.56	178.26	62.52	30.34
18867	98.89	1974.42	508.83	824.06	218.05
3697	98.89	963.19	110.37	426.22	134.46
17324	98.86	116.94	11.64	378.69	117.57
16364	98.84	643.42	143.53	178.43	86.44
23628	98.84	615.8	45.67	326.81	85.75
8719	98.84	50.1	0.66	81.9	34.05
8215	98.84	1082.88	133.38	386.91	134.74
15124	98.81	4496.25	860.65	1346.1	428.82
18989	98.81	6527.42	1960	1469.82	658.61

TABLE 5GG: DIOXIN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 168 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1632	98.81	28.26	0.77	62.07	21.48
1170	98.78	629.85	253.39	109.41	50.42
4225	98.65	647.9	96.4	334.19	78.53
25149	98.62	25.34	0.15	30.7	14.21
17427	98.57	2236.12	603.08	1119.24	246.13
10260	98.52	57.84	9.42	201.64	82.48
15125	98.49	6854.53	1899.84	1640.83	585.25
23336	98.49	109.9	14.66	24.39	24.38
2853	98.46	53.93	0.16	57.83	46.02
15106	98.46	4082.01	917.35	1828.09	450.72
18957	98.44	189.24	5.49	371.45	149.62
2119	98.44	72.25	4.52	38.98	11.82
20704	98.41	8209.04	3041.64	1293.54	797.58
5492	98.39	612.26	323.44	35.46	57.81
5493	98.36	652.01	260.38	53.44	59.03
19833	98.33	21.5	5.61	125.24	61.04
23888	98.31	353.54	129.57	117.75	50.34
19251	98.25	722.96	9.31	547.98	94
24470	98.23	5537.76	784.95	2590.38	863.94
25049	98.17	95.2	2.18	61.27	27.31
17304	98.12	41	3.1	91.18	34.42
1306	98.04	468.2	225.51	140.27	82.06
23699	98.04	984.29	37.51	642.93	308.23
15378	98.04	229.93	17.17	118.7	37.73
21681	98.01	117.26	28.93	45.59	23.75
17554	97.96	4315.2	990.01	1569.17	597.73
15024	97.96	1805.38	799.27	361.71	279.52
23445	97.96	25.96	6.11	235.91	130.79
15127	97.96	2364.01	462.12	690.77	320.16
1371	97.96	162.88	15.47	43.39	41.53
18361	97.94	973.05	116.13	423.93	180.39
13930	97.94	63.99	2.4	147.8	105.89
4574	97.88	267.31	57.44	618.96	137.41
24518	97.86	1350.66	241.97	777.2	156.03
25325	97.83	4307.57	254.96	1619.58	1175.18
1583	97.8	71.6	8.85	28.59	14.07
8317	97.78	103.5	66.14	636.22	221.78
17635	97.75	217.88	29.81	477.21	125.42
19711	97.72	100.52	8.2	209.49	71.77
25326	97.72	6502.2	448.25	3135.2	1432.07
2515	97.7	204	59.19	618.19	182.66
24474	97.7	3341.12	736.07	1477.08	411.71
10504	97.56	1662.71	199.63	951.66	260.35
762	97.54	2882.92	134.72	1602.64	597.91
20026	97.51	123.94	2.61	85.9	27.86
21012	97.49	3602.46	577.96	1514.87	563.06
7176	97.46	103.69	16.8	57	38.2
24469	97.46	913.61	69.1	621.78	199.73
1558	97.46	259.14	91.06	91.51	39.5
794	97.46	508.32	27.89	802.5	228.74
20707	97.46	146.04	31.5	606.93	299.27

TABLE 5GC: DIOXIN					
Timepoint(s): 168 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17765	97.43	409.77	27.82	885.74	344.25

TABLE 5HH: DIOXIN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
6143	99.87	4317.36	1089.06	805.61	384.02
21288	99.52	2021.89	619.26	404.55	90.82
22755	99.5	731.23	197.48	136.68	51.8
489	99.42	3583.7	632.69	21.21	260.5
488	99.28	6372.72	923.25	121.36	617.41
24649	99.2	275.96	48.41	119.35	28.68
4561	99.18	919.3	134.9	358.28	92.71
8661	99.12	189.45	68.11	26.22	156.56
20703	99.12	3973.4	780.19	435.01	422.61
25284	99.07	273.87	110.16	35.22	32.68
13619	98.96	469.96	209.78	78.53	65.6
23584	98.91	595.5	88.93	222.34	85.9
20705	98.89	7144.4	1385.33	1001.5	858.49
1169	98.59	232.93	61.89	62.4	32.39
20704	98.57	5479.96	992.05	1286.78	803.54
1170	98.38	382.34	115.71	109.08	51.79
1698	98.3	1111.72	271.58	207.13	204.43
15252	98.2	675.4	117.85	340.55	110.45
12314	98.12	4958.16	1147.22	2153.07	651.21
5492	98.12	407.17	264.21	34.8	56.08
5493	98.04	447.87	235.03	52.72	57.18
18989	97.82	4129.41	1153.62	1466.58	666.89
23851	97.74	702.74	40.16	406.82	128.46
9527	97.51	628.99	90.04	234.23	126.94
9528	97.11	562.67	162.18	200.32	89.53
16366	97.08	1871.31	567.19	792.98	295.5
3427	96.97	196.11	43.15	79.39	40.34
8457	96.84	114.68	42.8	27.37	24.92
16367	96.82	3315.64	884.55	1409.37	528.75
3690	96.79	805.91	407.95	261.68	125.29
1937	96.55	1339.77	331.65	572.07	327.85
23449	96.55	3104.26	738.51	841.37	689.06
23448	96.5	4472.58	1660.85	1076.25	831.89
23682	96.36	525.38	136.11	245.55	100.44
8220	96.13	220.36	52.4	102.56	40.04
23608	95.14	795.8	112.54	398	187.75
17807	94.69	3225.07	153.73	2042.58	726.46
11301	94.51	634.99	158.89	286.88	146.16
20050	94.35	748.02	84.99	339.5	204.63
22866	94.03	524.06	59.11	336.47	99.07
353	93.9	125.52	38.07	59.87	123.88
21192	93.79	135.98	44.67	55.12	44.86
2264	93.71	254.04	31.91	408.42	96.74
19064	93.42	226.67	15.79	159.53	44.39
23336	93.29	66.2	20.66	24.35	24.47
8212	93.26	3080.84	204.91	1976.37	729.43
3067	93.26	272.51	51.22	173.13	48.04
18027	93.11	217.67	139.55	48.38	29.47
14231	92.95	403.32	298.54	43.92	48.55
9192	92.89	2611.89	316.23	1620.59	665.1
11264	92.52	115.31	14.52	57.97	37.9

TABLE 5HH: DIOXIN			Attorney Docket 44921-5088-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935828.1		
GLIC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2542	92.49	26.8	14.39	90.54	46.71
17768	92.38	508.98	107.74	771.48	144.13
18925	92.36	173.76	12.2	110.65	54.07
22677	92.22	200.39	36.08	121.46	73.6
13563	92.16	2682.83	602.24	1177.52	343.01
11319	91.93	49.14	5.01	28.94	18.22
15173	91.68	1111.82	292.37	350.11	153.94
7084	91.61	811.27	79.74	446.97	209.06
2354	91.44	2333.01	966.09	812.56	267.77
6781	91.37	315.24	46.79	182.31	80.86
6619	91.36	781.02	169.94	397.94	95.63
21577	91.35	209.31	40.92	114.33	70.98
22340	91.27	273.9	45.11	527.89	183.73
11426	91.24	54.82	12.26	122.47	53.36
10270	91.16	222.98	22.57	139.32	63.14
9157	91.16	112.83	19.29	47.5	43.61
21529	91.14	172.28	40.58	324.48	97.55
15296	91.11	93.79	40.27	211.01	76.4
8130	91.1	133.83	47.51	26.18	30.84
14725	90.95	111.76	8.55	73	28.49
15227	90.9	2109.11	196.29	1547.32	350.05
9383	90.86	113.63	44.65	27.8	24.04
13751	90.84	82.91	12.47	53.55	39.78
6164	90.72	605.76	127.27	338.02	84.35
2967	90.63	2868.91	249.17	1812.14	1025.98
4791	90.55	143.91	12.56	107.63	33.5
23521	90.51	583.68	189.86	192.33	141.3
8215	90.3	715.35	150.06	386.63	135.84
15743	90.27	439.35	132.05	227.72	78.54
2515	90.21	349	83.59	618.68	182.75
20803	90.18	188.64	20.65	286.58	114.7
11492	90.15	263.78	103.86	520.85	158.95
14468	90.15	126.14	17.44	86.34	26.77
6109	90.07	6093.92	500.91	3578.75	2265.06
6222	90.06	140.98	58.09	28.24	32.28
3429	90.06	503.67	174.2	238.73	89.86
19443	90.03	2484.35	509.35	1362.07	430.5
23673	89.99	220.76	24.84	371.92	145.35
9047	89.99	405.39	50.43	230.46	133.79
9176	89.99	516.66	37.37	408.28	78.14
22534	89.95	977.69	174.85	593.79	142.8
26117	89.92	340.12	68.01	258.6	309.34
23262	89.92	23.88	7.08	48.01	17.4
10710	89.9	333.15	99.88	176.14	58.21
9384	89.85	88.82	31.18	28.97	22.42
16739	89.82	1077.66	133.48	673.58	160.39
19428	89.76	10977	1376	5593.94	4076.86
19772	89.68	53.32	5.13	71.78	60.33
7460	89.65	15959.29	1721.18	8318.37	5705.68
15124	89.61	2734.2	592.64	1345.23	437.59
20826	89.3	140.39	19.32	220.82	70.05

TABLE 5HH: DIOXIN					
Timepoint(s): 6, 24 hrs					
GLC/C					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
25468	89.28	3533.83	445.3	2319.31	1102.35
25041	89.25	36.61	7.91	102.06	66.16
16135	89.2	6079.82	593.9	3552.53	2537.45
21681	89.19	91.84	28.28	45.51	23.72
21657	89.17	370.79	100.53	753.88	293.88
17401	89.12	203.14	26.21	434.1	217.73
16132	89.01	5865.77	632.9	3394.46	2222.59
4186	88.64	5638.41	635.44	3628.39	2063.6
23220	88.59	123.1	24.03	84.64	30.19
15126	88.52	2607.62	724.74	1270.16	531.79
15295	88.43	112.65	29.9	194.67	59.07
15127	88.28	1500.07	454.48	690	322.35
16726	88.16	586.8	56.63	792.56	197.38
4407	87.95	79.7	12.14	144.33	57.76
25469	87.92	2397.79	319.15	1625.67	753.12
19227	87.87	75.68	11.56	117.21	34.26
17112	87.82	8780.37	1086.9	4680.78	3961.6
17829	87.79	3658.47	448.66	2368.91	1197.67
8438	87.74	41.31	12.02	94.39	45.39
794	87.74	627.48	84.8	802.77	229
9842	87.65	2284.39	132.25	1599.89	413.31
19340	87.61	305.16	11.44	361.54	83.1
16275	87.55	6111.42	805.81	3424.32	2257.07
24434	87.53	132.07	27.63	233.39	100.31
24862	87.47	132.11	20.7	200.66	58.58
17676	87.47	5085.23	608.47	3101.17	1642.91
25051	87.39	3863.25	383.85	2688.82	1552.56
3549	87.34	124.96	16.37	201.83	82.03
764	87.3	112.67	86.11	100.3	38.08
12155	87.23	337.38	34.34	632.65	668.12
1958	87.23	4790.66	486.37	3316.01	1945.06
1959	87.1	4888.04	547.76	2974.28	1815.96
21904	86.94	3897.73	317.81	3002.3	1597.44
17742	86.94	2311.33	185.01	2009.47	695.24
1835	86.9	163.05	43.48	96.7	41.41
23698	86.9	679.99	152.24	357.35	407.83
23576	86.89	1479.53	70.25	1335.66	314.38
20404	86.82	231.23	202.01	205.04	111.02
10260	86.76	110.95	25.47	201.79	82.57
20784	86.68	194.28	94.41	392.33	143.32
21094	86.62	60.09	67.09	233.99	145
4185	86.6	6978.14	910.52	4084.03	2979.96
25481	86.6	4340.67	457.91	3058.37	1745.8
2970	86.57	3368.47	375.1	2295.35	1091.39
21152	86.49	5797.67	752.11	3584.44	2476.36
19	86.46	396.68	39.76	593.34	214.2
20779	86.35	2030.22	256.82	1368.89	347.65
23699	86.32	917.21	113.29	642.31	308.34
1897	86.32	139.32	28.42	84.66	34.04
25050	86.25	3679.92	483.99	2368.6	1302.87
1409	86.25	283.07	54.69	411.46	113.96

TABLE 5HH: DIOXIN					
Timepoint(s): 6, 24 hrs					
GLC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
19252	85.99	330.82	38.53	520.83	190.2
16130	85.91	5670.73	927.47	3523.39	2336.88
17148	85.8	6068.76	805.91	3825.99	2485.79
15718	85.77	44.87	10	72.76	30.53
24420	85.75	1988.24	191.34	1528.34	574.77
745	85.72	26.49	1.34	26.85	12.99
17472	85.7	4352.42	609.97	2564.44	1598.12
12192	85.52	286.13	57.2	192.18	51.78
25252	85.51	112.36	44.05	220.57	94.93
14983	85.48	6883.32	1215.13	4024.13	3461.55
17787	85.35	2655.76	444.29	1558.71	1002.63
818	85.3	5380.67	628.86	3411.17	2156.46
15274	85.08	53.18	10.3	83.71	27.08
24235	85.07	505.73	113.52	329.1	169.28
4212	85.01	6376.04	787.98	4055.65	2672.48
18867	84.97	1189.1	213.55	824.34	222.08
17062	84.95	69.11	11.87	114.71	47.85



TABLE 51: DMN					
Timepoint(s): 6, 24 hrs					
GLC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
10611	99.23	260.37	72.4	23.98	38.98
20755	98.46	376.86	78.86	54.53	60.24
7324	98.38	457.11	129.36	92.35	83.29
12873	98.3	407.94	77	114.93	67.27
20082	98.2	186.17	43.62	40	43.7
20757	98.09	1163.72	405.06	271.12	115.22
20449	98.06	83.53	20.65	40.61	104.49
21275	97.93	570.18	165.66	204.68	90.03
3090	97.45	275.65	74.39	141.14	39.01
25705	97.24	1290.52	178.77	741.1	195.7
15301	97.19	91.6	25.54	25.71	129.29
15300	96.66	421.39	88.59	231.58	229.6
16427	95.99	81.11	13.6	223.4	81.95
6155	95.91	106.94	23.89	275.99	110.88
1650	95.44	118.02	29.48	256.09	75.05
16426	95.38	180.15	33.39	404.43	119.96
19230	95.14	414.35	132.54	200.5	113.44
22681	95.06	322.74	96.22	158.17	361.42
17239	94.93	662.68	105.52	447.81	102.34
23445	94.82	31.51	22.16	236.45	130.54
18943	94.53	616.56	97.37	370.31	114.49
17541	94.48	2931.46	420.37	1625.04	635.87
12745	93.79	69.9	14.85	40.07	23.9
10109	93.71	1234.99	52.48	1046.73	223.89
20481	93.58	40.6	9.74	97.31	35.1
25550	93.47	78.27	16.65	39.37	24.25
23928	93.37	71.3	26.48	144.71	37.67
21228	93.31	78.48	17.26	167.64	61.75
23115	93.18	450.71	117.99	253.66	142.87
16823	93.13	423.93	50.59	753.84	216.05
11274	92.7	183.86	45.89	308.91	67.56
16824	92.06	103.69	44.85	263.55	99.01
14594	91.73	176.08	53.81	46.07	37.76
9196	91.64	140.71	29.23	274.89	87.41
10695	91.61	378.58	37.87	252.95	155.23
1654	91.56	101.41	24.76	205	61.93
20705	91.51	327.76	109.86	1030.44	949.55
14424	91.39	349.64	162.38	91.56	282.7
22929	91.32	689.87	130.29	1242.24	788.78
3657	91.31	118.24	51.59	378.52	136.92
24234	91.27	204.32	25.16	146.78	122.16
22476	91.24	270.33	52.51	466.29	135.25
1037	91.23	77.54	10.71	39.36	37.3
8860	91.22	565.01	111.13	361.06	137.37
17097	91.08	147.73	30.16	66.94	46.59
22677	90.57	279.58	106.61	121.13	72.8
7184	90.51	427.1	151.85	144.47	69.17
15098	90.39	64.64	15.43	118.91	41.13
19710	90.34	133.76	18.3	240.26	107.59
11150	90.34	61.64	22.65	178.91	93.15
26184	90.33	582.38	179.83	278.07	79.64

TABLE 51: DMN					
Timepoint(s): 6, 24 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23048	90.31	408.77	34.44	315.57	61.65
8494	90.26	103.62	25.77	192.52	70.38
20735	90.21	284.86	70.69	189.51	132.51
7784	89.99	72.74	14.56	121.86	50.88
1431	89.86	275.65	56.58	432.92	189.36
23776	89.76	33.3	24	135.64	69.41
16518	89.73	1195.51	200.43	771.59	339.07
40	89.7	200.35	21.2	363.96	186.44
11547	89.54	197.93	53.7	344.87	111.06
2131	89.53	45.39	25.7	120.14	29.79
16938	89.45	1899.98	471.54	1366.33	273.44
1900	89.3	164.49	44.57	335.2	146.94
4588	89.23	21.91	5.28	42.45	24.88
18252	89.17	2218.64	327.68	1501.46	500.37
18636	89.12	4123.05	577.24	2650.68	1037.55
21796	89.12	149.5	23.05	104.57	58.07
1644	88.92	68.48	23.27	158.32	52.66
8950	88.69	106.48	8.09	153.07	49.07
18624	88.69	874.22	156.06	600.12	236.24
25632	88.69	31.5	11.37	129.14	294.02
3367	88.61	769.16	143.81	532.38	199.52
1928	88.51	206.8	22.17	292.67	97.04
20703	88.46	135.17	53.54	451.31	483.11
17054	88.4	1579.04	60.14	1397.18	302.49
24431	88.36	123.48	49.47	63.66	151.45
21523	88.35	76.66	19.77	41.39	29.92
18750	88.3	275.76	12.87	246.57	72.01
4391	88.16	1232.65	146.3	936.26	222.33
5996	87.98	137.61	25.16	230.1	78.74
19075	87.95	177.45	16.86	141.87	67.27
8240	87.92	133.57	33.3	76.01	57.48
16917	87.9	39.04	16.19	94.24	50.18
4314	87.82	311.47	51.04	455.52	118
23964	87.81	92.91	39.26	184.17	47.24
16073	87.77	74.26	28.35	173.59	76.39
18936	87.74	2250.9	303.58	1613.45	474.33
2809	87.66	40.73	5.43	27.94	24.02
11152	87.65	112.18	30.12	334.65	142.25
6645	87.63	97.65	15.95	141.26	32.41
17175	87.63	735.72	75.51	613.13	171.88
547	87.57	556.61	117.35	373.58	91.18
11353	87.55	87.8	3.69	92.5	34.02
2482	87.51	89.43	50.01	214.96	65.37
6554	87.45	451.7	57.12	611.4	162.44
19105	87.34	932.98	84.45	764.77	185.7
4914	87.27	181.2	169.82	481.83	150.22
1653	87.25	221.08	68.26	387.22	96.06
3916	87.23	1118.61	183.59	1540.3	411.05
15571	87.21	36.15	13.09	136.96	374.23
6911	87.19	97.02	52.48	234.31	74.39
354	87.18	102.96	21.36	82.14	152.8

TABLE 51: DMN					
Timepoint(s): 6, 24 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20872	87.14	1093.96	138.31	763.28	263.11
17290	86.94	86.17	29.83	177.04	95.77
25467	86.76	142.14	76.31	368.22	173.58
7101	86.62	2244.38	133.5	1904.79	641.01
1640	86.33	23.17	8.59	52.33	24.49
15642	86.29	529.27	102.54	375.9	160.46
20182	86.21	106.47	24.22	60.85	28.38
18619	86.08	2018.28	204.02	1378.79	386.54
11153	85.81	314.79	73.12	633.48	201.91
20839	85.81	1404.91	102.74	1134.07	217.49
7863	85.72	739.98	55.74	647.49	158.07
14332	85.7	36.72	3.8	28.41	38.02
1453	85.7	37.74	3.71	28.85	15.64
6912	85.52	75.39	50.88	193.79	64.38
20885	85.35	26.31	3.34	41.62	38.79
15299	85.34	134.19	40.51	78.11	128.75
19703	85.3	72.19	12.32	111.45	38.77
12155	85.27	339.87	40.57	632.64	668.12
17104	85.01	620.05	60.9	542.79	142.78
10626	84.79	1565.68	127.64	1679.83	656.86
18316	84.77	25.66	7.37	74.49	60.64
21643	84.71	1070.61	134.59	892.03	222.99
4441	84.57	1007.42	46.5	850.71	218.82
10540	84.18	89.19	37.15	23.7	18.1
22352	84.14	175.6	48.02	110.25	181.7
18611	84.02	1380.8	143.16	1140.38	542.3
1169	84.01	100.82	23.79	62.97	34.33
20161	83.97	38.04	10.98	29.15	55.67
961	83.89	686.32	74.83	524.22	176.32
9541	83.88	139.53	42.53	72.02	109.9
4011	83.86	1124.99	213.07	1820.9	680.68
1647	83.8	41.79	15.18	90.88	36.55
12639	83.69	1335.15	168.45	1101.1	175.62
1540	83.6	111.33	19.77	161.66	58.72
25747	83.52	531.85	101.55	425.7	234.21
16150	83.49	432.85	83.94	670.8	277.26
15666	83.44	3808.6	1219.44	1491.8	648.23
21625	83.41	2738.11	391.36	2033.72	625.73
15653	83.36	1373.56	133.6	1072.82	275.73
21842	83.28	326.33	95.49	564.34	295.41
17752	83.05	264.68	58.84	472.42	141.94
4450	83.04	134.65	25.37	197.21	61.21
16217	82.92	275.45	56.22	451.54	151.41
24597	82.9	374.78	54.87	255.25	98.74
10623	82.86	1278.89	211.79	1103.01	504.51
23047	82.64	26.92	4.48	37.72	15.05
17920	82.54	109.83	14.84	142.01	44.52
3831	82.54	41.32	5.71	34.42	24.7
24810	82.48	370.44	44.88	417.04	151.67
24469	82.39	770.62	60.09	621.61	200.08
15667	82.38	2998.04	884.83	1560.04	547.14

TABLE 51: DMN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20448	82.34	72.6	21.45	42.76	74.17
1753	82.3	561.45	72.44	440.41	172.36
17105	82.19	1122.82	102.4	982.97	354.51
16780	82.17	228.22	30.02	310.25	112.33
23854	82.1	576.74	63.35	452.11	150.57
21064	82.09	71.37	7.22	64.12	25.19
7064	82.06	402.56	67.08	334.93	202.12

TABLE 5JJ: ESTRADIOL					
Timepoint(s): 24, 240 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
9604	96.56	324.48	240.02	23.81	24.97
14795	96.5	839.96	390.4	130.62	62.84
313	96.45	396.58	195.81	39.16	50.91
18877	96.34	1775.63	519.39	184.82	209.06
20564	96.24	2070.38	776.36	289.99	235.64
672	96.21	204.54	61.14	33.12	40.93
3944	96.21	2099.49	582.2	363.21	219.79
14266	96.15	468.31	163.12	20.15	57.39
173	96.08	310.69	51.46	110.4	79.09
17699	95.86	418.24	115.9	88.42	64.69
9917	95.75	152.82	48.9	48.63	17.16
8230	95.7	235.48	52.53	93.34	51.84
16043	95.67	363.94	128.55	128.7	38.14
10418	95.67	1234.87	274.54	422.24	250.23
5264	95.67	836.54	240.63	76.71	144.31
13963	95.57	586.69	209.48	189.84	94.39
17698	95.54	122.95	46.78	25.44	21.33
11465	95.54	680.45	197.56	145.82	98.74
8221	95.54	177.82	52.96	39.66	24.54
3075	95.38	518.02	142.54	161.49	133.83
24012	95.35	2128.85	551.3	402.89	298.07
10588	95.33	543.15	132.83	141.56	114.37
25290	95.25	446.34	134.17	46.94	63.04
6549	95.03	527.93	156.03	173.91	124.63
3073	94.98	407.02	112.34	98.33	85.22
21703	94.96	75.72	16.92	37.79	18.16
12361	94.93	1081.3	258.25	418.31	190.05
18141	94.82	1108.83	410.44	323	156.3
23468	94.79	907.91	169.04	498.58	125.27
3074	94.79	306.61	85.94	85	60.55
23362	94.74	530.23	137.65	212.25	69.47
4674	94.56	186.88	63.52	553.02	205.62
13092	94.29	679.34	186.04	215.84	114.51
9918	94.1	397.25	84.39	220.4	50.54
16329	94.1	655.6	169.89	257.59	109.16
22722	93.94	578.53	279.92	27.36	100.34
18612	93.81	216.88	44.5	100.71	37.01
21911	93.81	276.98	40.39	138.76	71.1
7938	93.73	120.56	30.61	39.52	27.62
969	93.59	257.51	85.63	55.08	61.78
24013	93.51	192.1	40.65	61.8	62.2
172	93.49	69.67	13.41	28.2	21.92
25718	93.49	737.48	107.8	434.03	109.51
9621	93.46	497.95	89.06	279.62	79.02
16684	93.35	703.1	145.21	352.31	142.09
1561	93.33	422.33	159.48	877.31	219.03
968	93.33	566.66	131.6	172.42	124.46
12120	93.27	324.38	187.24	20.02	45.79
12585	93.19	975.9	134.47	605.72	137.58
21980	93.09	916.14	158.96	502.2	157.8
12313	93.03	422.1	664.19	3729.49	1819.18

TABLE 5JJ: ESTRADIOL					
Timepoint(s): 24, 240 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2230	92.95	228.53	55.1	82.37	49.94
2373	92.95	684.36	143.98	329.42	126.44
25686	92.93	1078.24	147.51	718.57	185.04
14959	92.85	874.14	141.99	535.16	172.43
14971	92.76	244.89	86.66	96.62	36.48
17101	92.74	328.1	54.36	182.12	63.54
7514	92.66	205.13	38.9	121.92	34.23
9402	92.66	280.76	28.34	186.98	52.76
2231	92.55	786.08	235.61	297.58	103.73
2246	92.53	268.08	60.16	146.81	43.35
6560	92.5	257.78	79.83	85.44	41.1
12655	92.5	222.89	54.82	73.9	67.32
17175	92.5	1033.17	158.08	609.62	166.89
13229	92.45	316.9	68.4	182.49	49.79
4957	92.42	317.88	91.15	93.82	47.16
24442	92.34	317.98	90.87	106.86	45.11
4956	92.34	449.98	126.84	125.26	65.68
291	92.34	624.72	134.5	314.15	110.88
18525	92.29	72.91	26.7	204.39	79.63
17104	92.29	874.98	133.89	539.93	138.94
6547	92.26	905.05	377.01	247.6	187.11
6592	92.23	412.02	96.37	190.37	81.53
7171	92.23	438.88	59.95	254.09	79.15
16783	92.13	107.07	27.23	28.65	40.03
14977	92.1	802.06	244	363.13	138.91
4622	91.99	889.77	85.11	623.23	119.73
4621	91.96	594.53	79.68	333.69	79.72
7497	91.75	1137.54	116.59	1720.41	334.53
18140	91.59	502.43	195	137.91	92.29
3528	91.54	173.34	71.42	42.9	39.78
7448	91.48	213.17	50.15	86.8	41.66
17171	91.46	631.51	138.97	282.44	173.09
9778	91.46	407.44	114.93	39.49	141.34
17953	91.3	258.4	38.85	156.8	45.95
7584	91.27	2389.92	621.26	930	532.9
3905	91.25	659.52	129.23	393.66	157.55
21103	91.14	419.88	113.99	173.02	65.01
17613	91.09	496.7	93.71	305.21	125.39
21871	91.08	538.33	83.73	321.7	77.58
5666	91.01	155.28	22.06	96.94	30.18
19647	90.95	95.76	24.79	28.24	35.89
970	90.92	483.81	160.43	99.36	103.22
6015	90.87	696.65	254.08	1513.29	391.3
16809	90.77	59.32	11.32	29.56	25.85
19110	90.71	247.1	61.32	100.92	103.93
16327	90.66	957.21	142.66	539.63	153.41
9385	90.63	229.95	85.92	57.39	55.99
6541	90.6	865.61	450.78	209.71	71.51
9141	90.55	143.05	50.15	44.07	50.4
7170	90.44	120.12	17.51	59.06	21.22
16306	90.34	630.92	159	1104.48	252.81

TABLE 5JU: ESTRADIOL					
Timepoint(s): 24, 240 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
13646	90.34	1109.79	149.77	744.84	194.82
14384	90.31	403.63	62.76	246.26	62.96
24615	90.18	1159.74	161.11	831.33	195.66
23220	89.94	161.96	44.64	84.06	29.14
3929	89.94	47.67	13.75	20.68	12.55
25518	89.94	62.97	15.54	26.81	17.29
23203	89.78	198.96	45.89	101.91	42.06
6128	89.7	121.41	26.8	60.77	20.91
6405	89.35	70.26	14.73	39.68	34.47
20983	89.27	590.36	116.18	1001.56	291.08
17393	89.24	267.54	67.42	139.83	81.3
10540	89.24	52.22	14.11	23.7	18.52
16178	89.05	236.39	36.88	153.56	37.83
20741	89.05	74.95	21.79	21.67	29.92
10544	89.03	261.15	37.36	179.06	71.34
4259	89.03	916.06	91.2	691.59	130.47
21115	88.89	239	78.12	69.5	77.78
764	88.89	183.21	36	99.55	37.52
24707	88.76	616.27	161.16	1266.84	453.72
6127	88.68	85.26	20.57	39.98	19.12
16204	88.68	1097.79	181.64	765.94	201.19
174	88.65	118.15	27.76	42.76	32.21
13090	88.55	294.39	128.9	78.46	62.42
19824	88.52	73.25	103.13	376.07	161.86
24718	88.39	1006.92	83.71	747.2	171.68
17956	88.39	98.37	19.08	57.85	19.13
15839	88.33	522.05	93.62	332.64	85.14
23491	88.09	333.66	104.21	138.15	63.58
17174	88.04	81.17	16.95	42.7	18.1
13091	88.04	412.29	144.18	155.89	76.91
20872	88.04	1041.39	189.89	762.02	262.79
15295	87.8	313.97	54.44	193.17	58.08
18795	87.8	925.41	165.24	538.21	202.29
25702	87.69	704.91	97.09	493.38	176.74
19825	87.64	66.86	108.43	357.77	160.67
19109	87.59	252.29	44.12	144.01	92.51
20864	87.56	920.37	294.55	466.96	379.06
14822	87.51	224.38	53.76	140.43	52.84
23192	87.48	447.31	91.68	215.89	83.24
14973	87.47	352.87	165.04	69.1	93.09
8426	87.38	59.92	15.24	37.22	20.69
15057	87.37	193.87	87.62	59.82	64.6
20256	87.35	49.87	18.06	20.92	21.76
16182	87.32	71.14	19.73	36.3	17
17530	87.22	96.97	40.39	257.91	107.66
11138	87.11	375.5	74.18	231.31	111.86
4441	87.11	1056.88	96.17	849.4	218.54
25071	87.1	788.12	234.51	310.08	180.66
20600	87.06	169.83	75.26	600.61	332.49
563	87.06	867.78	185.68	1378.28	390.47
18582	87	375.89	55.97	231.07	71.28



TABLE 5JJ: ESTRADIOL					
Timepoint(s): 24, 240 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17502	86.87	154.76	47.87	82.76	50.09
20998	86.76	691.22	190.72	1252.21	333.81
24771	86.66	726.23	155.97	1111	316.73
3902	86.65	212.25	49.14	127.34	39.19
16285	86.6	51.39	16.14	21.84	11.72
1867	86.57	921.57	146.81	627.71	163.29
4090	86.57	871.98	102.21	604.17	151.53
20601	86.55	351.5	152.17	974.6	456.91

TABLE 5KK: ESTRADIOL					
Timepoint(s): 24, 240 hrs			Attorney Docket 44921-5038-01-WO		
GLCC			Document No. 1935823.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
9604	96.56	324.48	240.02	23.81	24.97
14795	96.5	839.96	390.4	130.62	62.84
313	96.45	396.58	195.81	39.16	50.91
20564	96.24	2070.38	776.36	289.99	235.64
3944	96.21	2099.49	582.2	363.21	219.79
173	96.08	310.69	51.46	110.4	79.09
9917	95.75	152.82	48.9	48.63	17.16
8230	95.7	235.48	52.53	93.34	51.84
5264	95.67	836.54	240.63	76.71	144.31
10418	95.67	1234.87	274.54	422.24	250.23
16043	95.67	363.94	128.55	128.7	38.14
8221	95.54	177.82	52.96	39.66	24.54
17698	95.54	122.95	46.78	25.44	21.33
10588	95.33	543.15	132.83	141.56	114.37
21703	94.96	75.72	16.92	37.79	18.16
23468	94.79	907.91	169.04	498.58	125.27
16329	94.1	655.6	169.89	257.59	109.16
9918	94.1	397.25	84.39	220.4	50.54
21911	93.81	276.98	40.39	138.76	71.1
7938	93.73	120.56	30.61	39.52	27.62
969	93.59	257.51	85.63	55.08	61.78
24013	93.51	192.1	40.65	61.8	62.2
172	93.49	69.67	13.41	28.2	21.92
968	93.33	566.66	131.6	172.42	124.46
21980	93.09	916.14	158.96	502.2	157.8
12313	93.03	422.1	664.19	3729.49	1819.18
2230	92.95	228.53	55.1	82.37	49.94
25686	92.93	1078.24	147.51	718.57	185.04
14959	92.85	874.14	141.99	535.16	172.43
14971	92.76	244.89	86.66	96.62	36.48
17101	92.74	328.1	54.36	182.12	63.54
7514	92.66	205.13	38.9	121.92	34.23
2231	92.55	786.08	235.61	297.58	103.73
2246	92.53	268.08	60.16	146.81	43.35
17175	92.5	1033.17	158.08	609.62	166.89
6560	92.5	257.78	79.83	85.44	41.1
4957	92.42	317.88	91.15	93.82	47.16
4956	92.34	449.98	126.84	125.26	65.68
17104	92.29	874.98	133.89	539.93	138.94
18525	92.29	72.91	26.7	204.39	79.63
6547	92.26	905.05	377.01	247.6	187.11
7171	92.23	438.88	59.95	254.09	79.15
6592	92.23	412.02	96.37	190.37	81.53
14977	92.1	802.06	244	363.13	138.91
4622	91.99	889.77	85.11	623.23	119.73
4621	91.96	594.53	79.68	333.69	79.72
18140	91.59	502.43	195	137.91	92.29
3528	91.54	173.34	71.42	42.9	39.78
7448	91.48	213.17	50.15	86.8	41.66
9778	91.46	407.44	114.93	39.49	141.34
17171	91.46	631.51	138.97	282.44	173.09

TABLE 5KK: ESTRADIOL					
Timepoint(s): 24, 240 hrs					
CLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17953	91.3	258.4	38.85	156.8	45.95
3905	91.25	659.52	129.23	393.66	157.55
21103	91.14	419.88	113.99	173.02	65.01
21871	91.08	538.33	83.73	321.7	77.58
5666	91.01	155.28	22.06	96.94	30.18
19647	90.95	95.76	24.79	28.24	35.89
970	90.92	483.81	160.43	99.36	103.22
19110	90.71	247.1	61.32	100.92	103.93
9385	90.63	229.95	85.92	57.39	55.99
9141	90.55	143.05	50.15	44.07	50.4
21172	90.55	813.06	113.01	490.51	160.19
7170	90.44	120.12	17.51	59.06	21.22
21987	90.39	137	20.87	84.44	37.99
13646	90.34	1109.79	149.77	744.84	194.82
16306	90.34	630.92	159	1104.48	252.81
14384	90.31	403.63	62.76	246.26	62.96
3557	90.2	166.27	41.47	88.79	27.7
24615	90.18	1159.74	161.11	831.33	195.66
11404	90.07	337.81	61.67	219.87	128.38
25518	89.94	62.97	15.54	26.81	17.29
9549	89.78	96.96	68.79	254.96	76.31
23203	89.78	198.96	45.89	101.91	42.06
22142	89.75	100.55	27.67	41.39	23.66
4944	89.72	203.87	34.03	127.58	121.75
22969	89.72	511.73	40.8	362.89	83
6128	89.7	121.41	26.8	60.77	20.91
15684	89.59	655.81	111.39	359.52	135.25
5863	89.56	479.87	95.02	260.3	89.85
19211	89.54	219.37	51.87	118.87	48.29
6881	89.48	307.32	38.73	213.15	48.65
22604	89.46	459.07	86.87	1036.66	471.34
23299	89.38	396.88	90.55	201.15	149.27
6405	89.35	70.26	14.73	39.68	34.47
3458	89.3	1123.42	134.52	1576.64	296.12
9372	89.3	398.56	45.33	299	192.39
20983	89.27	590.36	116.18	1001.56	291.08
23305	89.19	155.49	26.25	91.43	45.74
24322	89.11	145.11	36.86	72.3	31.36
19544	89.06	891.86	146.89	571.84	201.63
16178	89.05	236.39	36.88	153.56	37.83
20741	89.05	74.95	21.79	21.67	29.92
4259	89.03	916.06	91.2	691.59	130.47
10544	89.03	261.15	37.36	179.06	71.34
8701	89.03	220.3	81.92	102.22	32.95
6593	89	715.81	119.17	467.49	140.01
7199	89	1024.2	198.78	1733.47	453.66
2569	88.95	513.29	147.4	911.55	288.99
23320	88.92	413.96	78.54	239.67	76.42
13018	88.92	92.42	24.5	41.58	23.01
21115	88.89	239	78.12	69.5	77.78
764	88.89	183.21	36	99.55	37.52

TABLE 5KK: ESTRADIOL					
Timepoint(s): 24, 240 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
6127	88.68	85.26	20.57	39.98	19.12
16204	88.68	1097.79	181.64	765.94	201.19
174	88.65	118.15	27.76	42.76	32.21
13090	88.55	294.39	128.9	78.46	62.42
24718	88.39	1006.92	83.71	747.2	171.68
17956	88.39	98.37	19.08	57.85	19.13
15839	88.33	522.05	93.62	332.64	85.14
17174	88.04	81.17	16.95	42.7	18.1
13091	88.04	412.29	144.18	155.89	76.91
20872	88.04	1041.39	189.89	762.02	262.79
18795	87.8	925.41	165.24	538.21	202.29
25702	87.69	704.91	97.09	493.38	176.74
19109	87.59	252.29	44.12	144.01	92.51
20864	87.56	920.37	294.55	466.96	379.06
14822	87.51	224.38	53.76	140.43	52.84
23192	87.48	447.31	91.68	215.89	83.24
14973	87.47	352.87	165.04	69.1	93.09
8426	87.38	59.92	15.24	37.22	20.69
20256	87.35	49.87	18.06	20.92	21.76
16182	87.32	71.14	19.73	36.3	17
17530	87.22	96.97	40.39	257.91	107.66
11138	87.11	375.5	74.18	231.31	111.86
4441	87.11	1056.88	96.17	849.4	218.54
25071	87.1	788.12	234.51	310.08	180.66
20600	87.06	169.83	75.26	600.61	332.49
563	87.06	867.78	185.68	1378.28	390.47
18582	87	375.89	55.97	231.07	71.28
17502	86.87	154.76	47.87	82.76	50.09
20998	86.76	691.22	190.72	1252.21	333.81
24771	86.66	726.23	155.97	1111	316.73
3902	86.65	212.25	49.14	127.34	39.19
16285	86.6	51.39	16.14	21.84	11.72
1867	86.57	921.57	146.81	627.71	163.29
4090	86.57	871.98	102.21	604.17	151.53
25039	86.55	514.51	175.16	979.57	310.7
4222	86.55	649.32	61.74	493.24	211.92
763	86.55	57.45	13.65	27.28	17.95
20601	86.55	351.5	152.17	974.6	456.91
16205	86.49	1510.63	228.6	1094.77	260.32
13520	86.44	227.09	44.64	109.61	87.22
17586	86.44	329.91	73.86	223.15	70.21
9620	86.44	710.72	110.06	531.44	111.24
18180	86.39	42.27	8.45	23.41	11.06
14353	86.36	46.85	5.35	37.25	21.8
15136	86.34	866.19	176.15	585.63	293.13
17123	86.33	166.01	29.38	108.16	36.38
12312	86.18	626.54	164.97	975.51	266.72
24628	86.17	324.07	43.17	229.71	51.23
17590	86.17	149.63	20.51	105.95	46.78
15654	86.14	550.7	120.95	322.51	146.66
5351	86.04	795.4	108.5	590.62	117.27

TABLE 5KK: ESTRADIOL				Attorney Docket 44921-5038-01-WO	
Timepoint(s): 24, 240 hrs				Document No. 1935823.1	
CLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18539	85.99	263.14	51.82	145.61	68.05
15838	85.98	278.55	39.3	195.67	39.04
20729	85.98	390.1	76.46	239.28	67.43
18573	85.91	190.93	33.19	132.68	33.63
9241	85.88	240.69	36.12	166.41	44.83
14925	85.82	575.36	129.28	321.05	101.88
23825	85.64	58.4	12.17	37.98	26.01

TABLE 5LL: GEMFIBROZIL					
Timepoint(s): 24, 168 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935823.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23699	99.47	2609.83	358.43	633.02	272.51
23698	99.36	2915.36	526.82	345.13	361.61
1857	99.2	376.61	125.74	21.27	154.74
20714	99.18	3333.45	744.96	554.04	672.88
1858	99.18	580.52	188.9	21.98	177.26
6479	99.07	152.66	32.23	1048.4	390.92
16150	99.02	1942.74	276.34	663.03	261.15
18687	98.96	3559.7	515.91	646.64	550.87
18647	98.8	124.66	28.39	420.59	146.55
17705	98.78	37.24	7.02	131.68	38.38
16148	98.72	2519.41	339	1028.83	365.54
6431	98.7	30.31	10.04	187.79	238.15
18742	98.67	1239.1	300.55	340.77	176.5
17706	98.65	75.85	15.5	182.62	42.67
18686	98.62	3141.77	399.62	695.15	588.33
17686	98.57	1544.6	145.76	873.61	180.45
21355	98.51	1481.07	192.8	295.35	272.48
14131	98.41	238	85	33.36	29.94
6213	98.38	51.17	8.34	153.05	53.91
6366	98.35	112.39	14.11	276.3	104.32
18293	98.35	3270.42	548.89	1361.22	423.7
10308	98.33	616.18	139.67	1480.3	341.59
9885	98.33	45.36	11.59	297.91	110.56
3279	98.3	1409.57	180.37	695.28	186.92
11363	98.3	122.59	26.84	505.74	172.38
21288	98.27	652.52	59.96	410.11	142.95
22813	98.27	28.35	7.24	114.52	43.88
21354	98.22	2046.25	245.95	417	389.19
12094	98.19	10361.77	904.15	4813.41	1786.49
6477	98.17	938.37	123.68	2271.56	862.5
2316	98.14	29.01	9.84	131.45	52.33
20711	98.14	906.86	155.33	131.56	197.74
25501	98.11	23.71	12.36	202.44	115.91
24458	98.11	275.35	47.25	633.46	153.12
3581	98.11	576.77	63.08	309.21	74.14
2683	98.11	107.58	23.12	350.89	114.4
15740	98.11	209.22	35.17	980.35	339
22522	98.09	490.14	82.77	247.28	61
20715	98.09	2091.79	423.29	375.09	412.81
21832	98.09	580.54	288.43	2778.47	1003.27
20001	98.06	1577.58	169	949.56	194.85
17758	98.06	1713.59	355.87	356.13	362.28
4576	98.06	23.1	8.95	186.15	78.03
17770	98.01	222.81	24.69	574.98	219.89
8500	98.01	712.67	203.07	3270.19	1161.43
6066	97.98	67.81	16.14	284.38	127.76
22947	97.98	88.95	24.24	298.36	78.27
16131	97.95	497.97	110.75	2040.39	930.01
18644	97.93	588.78	172.34	2185.59	805.18
760	97.9	139.13	42.17	792.84	407.71
17142	97.9	124.27	49.45	681.38	310.59

TABLE 5LL: GEMFIBROZIL					
Timepoint(s): 24, 168 hrs			Attorney Docket 44921-5038-01-WO		
GLCC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3860	97.87	997.95	183.24	391.48	155.68
22283	97.79	96.8	41.39	471.15	173.93
19373	97.77	177.67	73.31	1035.66	514.42
19586	97.74	946.91	106.76	556.6	117.71
21164	97.74	805.05	90.04	361.52	163.18
7714	97.72	68.49	7.09	143.46	36.74
6192	97.72	1251.06	236.53	551.05	175.62
20915	97.69	2045.65	453.59	527.41	348.7
19438	97.69	35.93	14.8	328.05	189.26
17824	97.66	52.42	21.84	187.15	61.4
9268	97.66	331.13	45.71	158.68	60.5
6193	97.66	413.14	71.06	198.5	50.12
15224	97.64	1240.35	83.54	801.51	216.72
6380	97.61	3541.78	631.52	1755.04	550.24
20	97.61	90.58	28.62	348.58	136.56
5749	97.61	49.59	13.62	198.26	85.05
12956	97.58	98.86	22	249.31	74.91
4280	97.58	524.37	179.03	1560.46	493.62
6962	97.58	106.39	26.66	361.91	136.26
17471	97.58	73.36	29.67	420.33	187.76
6291	97.56	495.72	53.94	984.83	240.12
5622	97.53	874.58	88.99	1599.28	374.49
2416	97.53	193.16	29.71	477.18	137.96
6654	97.45	68.24	23.35	205.8	72.58
16180	97.45	180.56	32.1	449.02	131.47
4272	97.45	215.89	46.18	33.14	74.42
8303	97.45	20.93	13.06	151.11	62.89
11954	97.4	2891.64	258.22	1700.56	477.66
20880	97.4	62.36	13.62	412.95	201.07
15030	97.34	48.22	9.65	125.97	37.44
4199	97.32	477.77	42.96	894.41	203.85
11738	97.21	132.1	20.15	264.22	67.48
5091	97.21	71.09	19.58	272.18	116.48
17654	97.21	38.23	27.86	359.5	164.14
15601	97.18	567.4	74.34	310.4	80.03
16703	97.16	2170.62	244.48	1163.94	379.03
17517	97.13	167.95	19.43	335.52	99.54
18867	97.13	322.35	64.98	828.56	220.75
20554	97.1	663.41	112.63	261.55	134.75
5111	97.08	39.51	22.54	237.42	135.71
21821	97.05	94.17	39.59	281.87	87.79
22797	97.05	1494.04	200.86	810.78	206.96
15202	97.02	1444.58	206.87	651.51	552.88
13420	97.02	186.46	30.45	380.28	98.86
24213	97	735.11	214.52	1507.61	592.87
21752	97	318.51	35.07	183.57	46.97
20889	96.97	33.85	19.35	156.82	73.55
11138	96.97	57.05	16.65	233.61	111.99
21659	96.94	144.76	30.42	386.78	150.03
13005	96.81	98.51	17.38	252.06	87.09
18001	96.81	293.31	50.76	719.36	178.53



TABLE 5LL: GEMFIBROZIL					
Timepoint(s): 24, 168 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
7872	96.71	128.52	24.49	294.71	81.67
1466	96.68	374.22	66.04	841.48	263.89
16912	96.63	148.07	21.35	303.76	78.52
3880	96.55	32.82	2.63	67.97	23.66
18981	96.44	50.64	13.94	166.95	132.72
25070	96.33	871.92	105.9	498.27	126.94
13882	96.31	136.53	42.71	421.66	144.96
21909	96.23	69.72	9.68	155	58.79
20765	96.23	22.18	6.6	70.2	25.36
25134	96.2	100.67	36.55	500.71	280.37
16725	96.09	87.76	8.91	162.37	46.07
18725	95.99	78.35	14.03	215.4	84.88
8106	95.99	35.1	7.44	79.42	23.97
6653	95.96	310.16	41.91	602.59	143.49
11953	95.96	1068.87	167.4	628.58	233.01
20789	95.91	250.72	52.22	674.77	227.31
20466	95.88	176.1	29.12	428.38	148.16
20726	95.83	99.63	21.07	258.92	84.81
1283	95.8	21.52	8.87	102.81	52.28
25084	95.72	39.93	13.12	141.49	54.2
24648	95.7	38.76	9.01	93.21	28.44
18358	95.7	592.73	36.05	400.44	91.13
18509	95.62	383.55	22.31	270.05	58.08
10267	95.62	3645.08	223.59	2171.02	762.06
2150	95.56	486.52	42.22	783.94	162.64
19730	95.56	68.67	27.64	315.02	151.12
11956	95.46	2742.37	430.4	1605.76	480.94
10260	95.43	67.59	26.05	202.12	82.24
1069	95.43	2578.11	424.64	1606.24	387.55
11152	95.4	98.76	25.35	334.96	142.03
240	95.22	46.31	9.97	114.91	41.62
21980	95.03	270.57	36.92	507.39	162.31
5616	95.01	740.28	61.66	1258.15	379.21
17516	94.79	378.53	35.86	249.5	78.84
17176	94.79	2862.29	375.01	1484.97	627.22
20983	94.77	1627.62	237.04	994.3	289.31
18450	94.77	702.82	44.25	495.33	106.9
2667	94.74	496.96	57.78	809.87	200.28
16546	94.74	382.84	53.43	190.88	86.52
48	94.66	345.05	56.86	670.2	189.75
8182	94.66	876.38	108.47	1457.62	334.5
17811	94.63	20.32	5.99	68.85	30.5
11935	94.61	38.07	8.31	93.38	35.83
23574	94.61	2344.61	223.97	1508.07	411.39
14696	94.58	919.44	102.37	619.32	132.6
20713	94.55	2026.55	425.01	711.93	512.37
18899	94.53	20.34	5.18	45.89	13.35
25250	94.5	1111.89	78.71	800.58	165.91
22603	94.47	502.8	84.97	260.11	109.87
23576	94.39	1870.1	83.89	1333.43	312.24
22918	94.34	88.88	30.44	35.75	35.23

-1000-

TABLE 5LL: CEMFIBROZIL			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs			Document No. 1935823.1		
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20925	94.31	1630.61	481.84	413.35	432.2
17431	94.18	67.68	23.76	164.26	59.49

-1001-

TABLE 5MM: HYDRAZINE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6, 24 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23710	99.44	426.99	158.47	39.74	127.2
23711	99.12	1638.85	605.56	175.11	252.99
18383	98.96	1708.97	388.87	745.76	148.48
24799	98.96	1195.6	333.09	301.34	104.38
22204	98.88	738.56	369.62	102.92	76.96
24800	98.78	461.64	85.12	137.87	62.98
21043	98.54	464.68	225.48	71.55	45.75
5339	98.22	1793.4	478.09	496.04	253.26
25805	98.01	132.61	31.16	50.71	18.07
25567	97.66	545.53	171.91	142.84	138.08
20744	96.92	1141.12	158.4	343.95	298.59
11136	96.17	631.45	96.47	314.65	116.78
6044	96.07	1316.46	200.37	751.26	207.08
4355	95.51	133.56	78.66	408.05	114.28
17461	95.43	2844.1	440.98	1402.43	543.42
3917	95.43	2920.63	643.23	1576.49	500
15080	95.37	316.04	55.21	620.44	150.65
7426	95.24	477.73	89.2	292.87	74.23
3944	95.22	198.86	23.52	380.78	282.11
23260	95.06	125.82	46.12	20.66	49.17
23709	94.76	1101.41	241.84	172.11	240.14
7416	94.74	819.53	98.21	1176.85	224.36
24251	94.34	1038.37	755.99	86.17	107.9
24798	94.31	1518.71	252.85	565.68	185.28
22311	94.28	511.57	285.28	179.32	61.1
3498	94.07	300.42	102.94	73.75	48.71
24797	94.07	515.62	308.75	64.38	43.43
957	93.97	264.22	94.11	94.59	44.99
21042	93.91	305.23	110.33	53.99	33.18
15841	93.83	199.05	70.49	58.42	27.28
4155	93.81	249.66	152.06	27.55	32.84
24803	93.81	3007.25	749.04	955.38	309.22
2789	93.78	317.62	114.62	74.43	42.55
3145	93.67	297.63	84.46	649.4	207.49
24801	93.57	1207.19	290.56	446.91	135.33
7642	93.54	67.34	17.76	122.77	35.28
11314	93.51	257.97	67.63	98.13	28.06
2342	93.41	401.37	137.42	134.67	55.66
4154	93.41	555.97	278.15	84.83	71.73
956	93.38	720.99	156.39	298.87	124.24
4725	93.3	579.8	359.59	21.53	107.74
2486	93.22	249.93	52.97	520.51	164.41
6988	93.2	2406.98	1034.92	410.58	325.25
21709	93.17	357.59	73.41	192.65	45.44
357	93.12	231.23	115.1	73.5	31.36
1597	93.12	609.69	268.54	115.4	119.12
6697	93.06	178.7	37.6	75.11	28.96
355	93.06	212.6	98.49	64.16	36.13
4731	93.04	254.16	159.28	53.52	76.17
6295	92.96	2644.86	728.83	1083.65	420
3435	92.93	184.96	25.05	287.41	58.82

TABLE 5MM: HYDRAZINE				Attorney Docket 44921-5038-01-WO	
Timepoint(s): 3, 6, 24 hrs				Document No. 1935828.1	
GLC# Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12825	92.88	413.85	151.26	143.86	52.1
21951	92.85	235.98	51.62	104.25	32.95
13686	92.85	103.07	42.55	43.59	16.51
13785	92.85	91.31	36.25	28.32	17.53
21063	92.85	136.54	43.55	45.61	21.99
14997	92.82	813.66	304.23	286.03	274.33
17908	92.8	341.3	138.37	71.19	114.56
20943	92.77	504.3	179.19	266.22	58.79
11992	92.77	67.46	16.69	29.71	12.57
2040	92.74	774.24	317.67	220.97	113.13
4789	92.74	254.77	78.25	69.47	41
5953	92.74	1015.17	452.24	182.21	219.21
17380	92.72	501.31	97.98	259.51	56.66
15642	92.64	808.95	240.2	374.02	156.59
4879	92.5	43.62	17.28	129.37	58.19
12306	92.5	2687.68	503.28	1137.44	517.33
13838	92.5	305.8	60.31	157.62	44.52
3418	92.42	529.23	125.97	288.59	78
18783	92.34	799.23	207.78	388.28	110.02
7745	92.32	303.03	102.02	126.97	55.6
3885	92.26	557.57	199.34	208.63	88.95
8728	92.26	208.46	62.82	83.42	35.75
1261	92.24	233.6	72.24	90.59	42.72
22906	92.24	1786.46	657.16	555.14	414.33
24778	92.21	1059.35	415.5	106.33	248.96
13446	92.19	143.37	61.44	33.71	35.39
1547	92.16	165.73	44.72	72.18	26.43
12119	92.08	360.14	104.12	138.92	67.02
10018	92.08	446.94	151.08	201.19	91.27
22545	91.97	609.53	157.46	241.55	110.06
8634	91.97	294.7	88.11	115.8	60.8
11997	91.95	481.41	141.93	198.28	83.2
4670	91.95	1831.85	620.15	481.05	417.75
15173	91.81	785.73	283.53	350.8	158.06
22187	91.79	489.34	68.52	924.01	380.14
1262	91.79	137.48	48.83	48.4	30.03
25682	91.73	71.76	23.47	31.87	18.4
6135	91.71	60.23	28.77	167.14	63.23
11533	91.55	146.33	72.7	22.77	54.12
22835	91.55	606.59	168.59	329.6	87.98
21757	91.49	139.6	29.05	57.08	32.39
19086	91.44	307.02	105.81	121.33	68.32
18727	91.41	1422.51	224.04	760.02	380.58
3961	91.39	114.72	26.66	56.91	23.54
12965	91.39	163.31	40.52	65.42	44.71
5989	91.31	352.05	40.06	207.94	64.14
17753	91.28	318.47	66.17	178.84	58.86
12000	91.25	733.3	182.64	313.58	160.02
21238	91.2	264.41	107.68	78.93	76.74
21864	91.02	53.11	15.17	23.33	12.17
15832	91.02	147.96	26.99	93.63	36.79

-1003-

TABLE 5MM: HYDRAZINE			Attorney Docket 44921-5033-01-WO		
Timepoint(s): 3, 6, 24 hrs			Document No. 1935823.1		
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17379	90.88	329.17	96.81	117.22	69.28
15011	90.88	155.88	46.39	82.42	32.9
11137	90.75	791.65	145.34	412.17	156.26
21062	90.14	82.55	21.3	24.77	77.95
15872	90.11	910.15	170.07	496.35	167.4
24779	89.87	1128.09	336.53	217.04	431.31
21097	89.87	1420.72	240.02	921.49	391.32
11998	89.85	84.46	30.21	30.83	23.8
18795	89.79	986.47	184.83	539.29	202.72
8182	89.74	1203.09	47.91	1456.02	336.76
24264	89.66	134.26	38.26	53.05	39.71
958	89.58	807.4	316.04	296.8	130.18
16163	89.55	648.04	88.56	458.64	164.64
13682	89.15	288.54	74.18	153.7	61.35
3430	88.84	690.29	198.65	233.82	132.92
18702	88.81	164.57	74.52	58.66	22.27
15371	88.78	399.55	39.17	276.85	80.39
25608	88.76	101.93	59.54	26.16	15.79
7947	88.46	131.98	31.57	80.52	36.3
22282	88.44	147.9	29.13	93.96	29.46
15292	88.38	358.65	103.05	161.56	63.44
1549	88.38	410.81	141.11	184.09	57.88
25321	88.2	798.05	338.01	64.55	167.83
1920	88.17	790.83	133.55	440.27	270.56
1818	88.14	1238.63	134.19	2116.18	830.64
18728	88.04	141.59	26.39	98.85	24.21
16982	87.99	987.99	320.68	332.79	475.14
40	87.85	124.51	70.07	364.67	185.93
15313	87.8	99.62	50.66	27.35	36.67
14465	87.64	108.1	89.05	52.01	35.18
15621	87.53	663.06	152.66	368.33	86.66
1959	87.45	1193.48	118.42	2992.83	1816.78
14822	87.37	293.24	88.39	140.34	51.94
111	87.29	1115.66	277.57	3169.68	2035.12
21707	87.27	154.97	77.69	40.63	51.97
2010	87.24	1441.28	152.66	2692.81	1261.9
4234	87.21	1161.14	205.78	613.08	296.43
22314	87.13	300.82	75.74	141.88	48.44
5545	87.11	792.71	164.59	1493.88	573.16
3831	87.08	58.81	13.55	34.3	24.63
13930	87.03	252.18	77.11	147.06	105.72
14632	87.03	1014.2	130.21	1528.57	1137.28
23544	87	1094.48	73.24	1407.07	333.8
4010	86.98	1382.63	273.1	3098.05	2058.69
15683	86.87	121.35	56.18	38.42	29.66
6477	86.84	1694.29	106.3	2267.84	867.07
8210	86.84	338.41	120.93	125.65	85.94
108	86.76	1105.33	125.21	2181.99	1123.63
16942	86.76	886.77	126.9	1437.03	498.61
21239	86.74	765.8	261.3	322.09	178.98
19085	86.68	210.93	69.97	86.09	45.38

-1004-

TABLE 5MM: HYDRAZINE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6, 24 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1798	86.68	1484.39	174.76	2804.34	1336.11
23491	86.66	67.14	20.87	140.44	66.74
22860	86.63	118.74	38.34	54.3	23.7
8211	86.52	1188.67	125.17	2378.65	1113.31
1853	86.52	1338.93	193.22	2982.14	1637.61
2968	86.44	1151.48	133.67	2449.68	1262.65
4012	86.44	1414	214.2	2443.23	1160.81
17306	86.36	1382.22	224.07	2606.3	1273.84
14981	86.34	1141.57	161.43	3446.36	2312.72

TABLE 5NN: INDOMETHACIN			Attorney Docket 44921-5033-01-WO		
Timepoint(s): 48, 72 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20864	99.76	22.07	8.1	473.18	380.52
17500	99.76	174.03	33.42	28.03	42.3
15503	99.71	707.2	157.43	61.75	41.85
635	99.55	356.02	104.81	1579.4	481.32
17281	99.55	77.18	25.65	630.46	189.09
5687	99.52	45.22	12.45	224.58	66.95
25525	99.5	291.2	107.36	1352.98	361.99
15504	99.47	863.83	283.47	41.6	61.95
21414	99.42	1352.84	131.93	114.58	156.26
634	99.39	432.57	121.45	1538.18	416.47
22514	99.39	744.68	197.84	50.41	64.45
6431	99.39	1733.91	415.59	180.39	214.32
2088	99.34	174.83	69.74	34.94	23.17
16366	99.34	93.95	42.5	800.53	302.18
6200	99.34	1517.47	437.52	67.7	98.35
2012	99.34	433.93	109.02	64.15	36.03
14504	99.34	1218.06	151.51	139.14	164.06
16367	99.31	164.6	117.46	1422.75	539.55
19469	99.31	149.18	32.53	478.15	112.46
19444	99.31	562.59	270.42	35.95	70.52
22512	99.28	660.51	290.11	28.4	42.93
2013	99.28	186.78	42.25	22.86	21.27
22522	99.23	81.82	24.3	249.27	62.78
4892	99.2	2302.4	1160.31	132.97	256.35
23005	99.2	620.21	76.08	122.59	80.13
14081	99.2	1288.65	640.74	38.65	86.88
6541	99.18	412.63	39.8	215.12	104.04
6143	99.18	122.62	42.4	823.43	449.41
15207	99.18	303.17	40.71	74.03	39.9
1893	99.18	266.77	71.14	31.12	27.82
8317	99.18	110.89	21.93	637.6	220.45
9583	99.15	416.77	51.01	60.09	97.66
15029	99.15	176.23	42	1588.92	516.45
8273	99.15	388.63	151.29	42.51	25.01
21285	99.12	1018.03	350.87	98.52	156.99
4933	99.1	418.95	103.33	2049.11	736.07
24589	99.07	529	248.49	54.24	44.27
155	99.07	180.93	33.27	41.29	25.2
18580	99.07	1267.38	310.49	221.92	126.09
3121	99.02	171.84	59.51	821.21	247.16
12606	98.99	161.66	41.16	742.66	237.27
18890	98.96	162.68	53.68	752.65	355.55
17369	98.96	430.65	73.83	119.15	44.67
4011	98.94	509.46	121.38	1823.51	676.9
14330	98.94	942.7	237.45	236	118.54
7384	98.91	1780.22	300.89	686.94	245.66
13361	98.91	349.1	47.62	182.6	37.74
15116	98.91	257.21	62.72	85.81	27.62
14185	98.91	1185.42	257.99	313.52	177.82
11426	98.91	350.88	45.99	121.21	51.34
15872	98.91	98.44	36.44	500.46	168.63



-1006-

TABLE 5NN: INDOMETHACIN					
Timepoint(s): 48, 72 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
7743	98.91	345.67	60.84	110.57	52.5
24237	98.91	912.03	228.83	184.87	96.96
14840	98.89	236.7	44.89	72.02	37.34
9124	98.86	793.91	57.23	375.63	97.89
17684	98.86	92.04	17.94	322.08	87.9
10984	98.86	129.88	64.62	1060.09	302.49
12551	98.86	50.4	10.88	233.66	77.71
17541	98.83	448.67	101.47	1635.58	637.34
22690	98.83	97.78	59.37	653.38	276.46
14881	98.83	415.82	120.83	1707.93	632.16
556	98.83	326.23	26.19	669.91	127.65
9079	98.83	788.75	135.81	310.96	88.92
4636	98.83	435.3	83.64	73.38	124.83
23321	98.83	70.84	11.27	238.71	64.44
16993	98.83	181.67	44.16	1061.5	291.65
20529	98.83	1248.68	268.72	127.3	176.94
20816	98.81	771.64	143.25	245.66	388.61
17499	98.81	148.93	29.77	25.73	89.53
13332	98.81	55.78	8.2	229.78	83.4
14600	98.81	535.82	168.97	115.13	47.39
373	98.78	95.13	34.96	475.37	164.19
6189	98.78	180.55	93.95	3941.06	2199.2
22897	98.75	171.35	48.54	42.52	23.63
43	98.75	142.99	32.74	436.41	130.66
5421	98.75	521.6	96.83	200.28	71.9
21014	98.75	187.37	72.97	1046.08	348.11
2320	98.75	57.11	20.6	305.95	108.38
4914	98.75	72.31	29.34	482.29	149.47
15888	98.73	393.33	60.16	165.93	140.34
3744	98.73	515.5	85.21	189.2	149.68
21947	98.73	132.87	26.87	396.84	97.07
3112	98.7	476.11	98.4	199.28	62.44
15517	98.7	115.84	32.38	32.43	15.57
10055	98.65	94.7	9.27	34.76	28.72
19121	98.65	130.93	38.98	24.05	21.62
19004	98.65	454.67	78.8	147.74	65.62
21074	98.65	920.52	66.01	445.27	138.25
6366	98.65	796.93	120.52	273.22	98.99
699	98.65	1188.89	92.19	609.29	154.22
1995	98.62	114.72	164.94	1945.29	964.02
4026	98.62	925.46	134.15	371.92	127.61
2484	98.59	21.07	11.5	357.2	222.64
12277	98.59	238.39	55.81	32.61	39.1
13523	98.59	542.26	77.21	251.51	74.05
6532	98.59	312.02	38.89	140.36	42.5
2555	98.59	543.06	103.8	125.65	84.95
20523	98.59	397.31	131.77	47.75	64.63
20869	98.57	255.12	72.98	59.6	47.42
21443	98.57	805.71	152.23	325.49	85.92
16809	98.57	165.52	38.18	29.27	24.29
18453	98.57	84.64	17.34	644.76	264.64

-1007-

TABLE 5NN: INDOMETHACIN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 48, 72 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
5175	98.54	223.53	69.32	40.02	63.42
22515	98.54	1444.32	389.76	124.13	387.74
20354	98.51	371.97	55.85	51.01	55.74
1827	98.49	72.31	10.06	20.56	18.93
20868	98.49	189.92	59.99	41.52	34.83
19411	98.49	178.07	42.51	33.37	19.72
15185	98.49	218.02	62.85	60.41	100.75
17693	98.46	55.17	11.57	211.14	128.01
9842	98.46	640.71	77.24	1606.87	410.98
10015	98.43	319.83	48.32	138.08	50.73
17257	98.43	191.55	56.09	40.38	31.83
2005	98.43	86.81	18.58	20.19	12.65
4439	98.43	582.49	135.61	221.08	57.4
2505	98.41	162.62	66.27	755.53	189.25
10071	98.38	58.58	6.19	30.71	24.21
17377	98.38	247.39	32.73	73.21	49.04
8597	98.35	250.46	49.87	102.41	31.77
20783	98.35	236.5	77.37	51.51	38.96
10016	98.33	271.85	40.63	91.73	47.86
1221	98.33	792.81	211.28	29.91	112.09
16048	98.33	376.11	63.21	172.15	51.53
7427	98.33	154.07	30.86	32.24	29.86
9223	98.3	328.74	141.18	88.51	39.55
1572	98.3	163.83	15.75	72.94	32.13
14003	98.3	31.78	9.08	157.09	102.34
18038	98.3	64.36	15.87	249.99	90.04
17258	98.27	247.13	55.44	104.88	31.2
12797	98.27	78.98	28.38	20.5	12.63
24219	98.22	1060.73	108.75	377.99	183.97
16519	98.22	1274.29	222.32	366.94	216.58
17382	98.22	131.83	14.87	274.82	87.76
17480	98.22	163.32	52.34	68.15	33.41
16416	98.2	271.85	91.29	108.09	60.15
1700	98.17	301.86	72.09	83.5	41.83
21012	98.14	495.25	96.3	1522.52	566.27
794	98.14	145.59	44.27	804.82	225.28
21657	98.12	1345.86	71.6	749.74	292.41
18988	98.09	30.38	13.56	223.34	129.63
20879	98.09	43.74	30.64	625.47	269.64
23322	98.06	175.17	55.47	557.6	145.02
13283	98.01	183.6	63.4	902.59	271.24
13499	97.98	157.44	31.79	50.5	36.82
14882	97.96	354.04	130.14	1304.22	413.04
2853	97.96	129.41	20.44	57.52	45.82
1262	97.93	173.78	34.84	48.39	29.8
23044	97.93	334.36	75.68	152.38	55.27
9125	97.9	1110.1	130.53	634.63	135.06
14384	97.9	512.02	67.81	246.63	62.43
154	97.9	418.22	115.55	165.54	59.93
10887	97.9	29.6	7.88	106.33	32.62
1841	97.88	275.92	85.51	46.56	50.38

-1008-

TABLE 5NN: INDOMETHACIN				Attorney Docket 44921-5038-01-WO	
Timepoint(s): 48, 72 hrs				Document No. 1935828.1	
GLCC	Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean
					NonTox_SD
	1795	97.85	80.33	33.43	535.15
					374.1

TABLE 500: INDOMETHACIN				Attorney Docket 44921-5038-01-WO	
Timepoint(s): 48, 72 hrs				Document No. 1935828.1	
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2088	99.34	174.83	69.74	34.94	23.17
22522	99.23	81.82	24.3	249.27	62.78
8317	99.18	110.89	21.93	637.6	220.45
15207	99.18	303.17	40.71	74.03	39.9
6143	99.18	122.62	42.4	823.43	449.41
6541	99.18	412.63	39.8	215.12	104.04
9583	99.15	416.77	51.01	60.09	97.66
3121	99.02	171.84	59.51	821.21	247.16
12606	98.99	161.66	41.16	742.66	237.27
4011	98.94	509.46	121.38	1823.51	676.9
24237	98.91	912.03	228.83	184.87	96.96
15872	98.91	98.44	36.44	500.46	168.63
11426	98.91	350.88	45.99	121.21	51.34
13361	98.91	349.1	47.62	182.6	37.74
7384	98.91	1780.22	300.89	686.94	245.66
14840	98.89	236.7	44.89	72.02	37.34
12551	98.86	50.4	10.88	233.66	77.71
17684	98.86	92.04	17.94	322.08	87.9
9124	98.86	793.91	57.23	375.63	97.89
16993	98.83	181.67	44.16	1061.5	291.65
23321	98.83	70.84	11.27	238.71	64.44
4636	98.83	435.3	83.64	73.38	124.83
556	98.83	326.23	26.19	669.91	127.65
14881	98.83	415.82	120.83	1707.93	632.16
22690	98.83	97.78	59.37	653.38	276.46
17541	98.83	448.67	101.47	1635.58	637.34
14600	98.81	535.82	168.97	115.13	47.39
13332	98.81	55.78	8.2	229.78	83.4
17499	98.81	148.93	29.77	25.73	89.53
20816	98.81	771.64	143.25	245.66	388.61
6189	98.78	180.55	93.95	3941.06	2199.2
4914	98.75	72.31	29.34	482.29	149.47
2320	98.75	57.11	20.6	305.95	108.38
5421	98.75	521.6	96.83	200.28	71.9
21947	98.73	132.87	26.87	396.84	97.07
3744	98.73	515.5	85.21	189.2	149.68
15888	98.73	393.33	60.16	165.93	140.34
15517	98.7	115.84	32.38	32.43	15.57
3112	98.7	476.11	98.4	199.28	62.44
6366	98.65	796.93	120.52	273.22	98.99
21074	98.65	920.52	66.01	445.27	138.25
19004	98.65	454.67	78.8	147.74	65.62
10055	98.65	94.7	9.27	34.76	28.72
4026	98.62	925.46	134.15	371.92	127.61
1995	98.62	114.72	164.94	1945.29	964.02
2555	98.59	543.06	103.8	125.65	84.95
6532	98.59	312.02	38.89	140.36	42.5
13523	98.59	542.26	77.21	251.51	74.05
2484	98.59	21.07	11.5	357.2	222.64
18453	98.57	84.64	17.34	644.76	264.64
16809	98.57	165.52	38.18	29.27	24.29

TABLE 500: INDOMETHACIN					
Timepoint(s): 48, 72 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20869	98.57	255.12	72.98	59.6	47.42
22515	98.54	1444.32	389.76	124.13	387.74
5175	98.54	223.53	69.32	40.02	63.42
19502	98.54	146.75	66.72	20.91	19.92
23243	98.54	353.21	81.79	1801.92	781.55
20354	98.51	371.97	55.85	51.01	55.74
6615	98.51	86.66	37.59	439.43	127.94
17168	98.51	392.82	38.51	171.34	66.57
20868	98.49	189.92	59.99	41.52	34.83
1827	98.49	72.31	10.06	20.56	18.93
15185	98.49	218.02	62.85	60.41	100.75
6365	98.46	239.58	39.19	64.3	44.18
21796	98.46	262.23	36.09	104.09	57.2
9842	98.46	640.71	77.24	1606.87	410.98
11720	98.46	1655.11	483.2	741.19	262.16
17693	98.46	55.17	11.57	211.14	128.01
17257	98.43	191.55	56.09	40.38	31.83
4439	98.43	582.49	135.61	221.08	57.4
10015	98.43	319.83	48.32	138.08	50.73
2005	98.43	86.81	18.58	20.19	12.65
9191	98.43	66.27	45.82	694.11	284.39
18891	98.43	72.67	19.78	302.28	168.85
6614	98.41	142.5	67.39	908.9	267.48
2505	98.41	162.62	66.27	755.53	189.25
3362	98.41	246.82	39.49	91	35.51
14492	98.38	678.69	178.71	249.98	102.11
17377	98.38	247.39	32.73	73.21	49.04
7225	98.38	681.39	93.08	341.99	92.47
10071	98.38	58.58	6.19	30.71	24.21
15117	98.35	70.78	12.63	20.71	12.16
2383	98.35	45.87	6.4	149.36	56.17
20783	98.35	236.5	77.37	51.51	38.96
8597	98.35	250.46	49.87	102.41	31.77
1221	98.33	792.81	211.28	29.91	112.09
7427	98.33	154.07	30.86	32.24	29.86
7604	98.33	853.94	176.21	331.07	110.76
10016	98.33	271.85	40.63	91.73	47.86
23558	98.33	76.35	29.41	331.95	82.23
2310	98.33	598.61	180.42	89.35	96.91
9267	98.33	546.61	128.35	1732.87	482.93
17368	98.33	376.5	82.63	135.24	48.7
16048	98.33	376.11	63.21	172.15	51.53
1572	98.3	163.83	15.75	72.94	32.13
18038	98.3	64.36	15.87	249.99	90.04
7868	98.3	86.78	8.41	274.28	104.28
1707	98.3	1662.8	198.9	887.31	209.03
9223	98.3	328.74	141.18	88.51	39.55
23762	98.3	396.49	66.78	194	53.64
14003	98.3	31.78	9.08	157.09	102.34
13580	98.3	104.63	27.21	29.78	19.57
12797	98.27	78.98	28.38	20.5	12.63

Attorney Docket 44921-5038-01-WO

Document No. 1935323.1

TABLE 500: INDOMETHACIN					
Timepoint(s): 48, 72 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24219	98.22	1060.73	108.75	377.99	183.97
17382	98.22	131.83	14.87	274.82	87.76
17480	98.22	163.32	52.34	68.15	33.41
16416	98.2	271.85	91.29	108.09	60.15
21012	98.14	495.25	96.3	1522.52	566.27
794	98.14	145.59	44.27	804.82	225.28
21657	98.12	1345.86	71.6	749.74	292.41
18988	98.09	30.38	13.56	223.34	129.63
20879	98.09	43.74	30.64	625.47	269.64
23322	98.06	175.17	55.47	557.6	145.02
13283	98.01	183.6	63.4	902.59	271.24
13499	97.98	157.44	31.79	50.5	36.82
14882	97.96	354.04	130.14	1304.22	413.04
2853	97.96	129.41	20.44	57.52	45.82
1262	97.93	173.78	34.84	48.39	29.8
23044	97.93	334.36	75.68	152.38	55.27
9125	97.9	1110.1	130.53	634.63	135.06
14384	97.9	512.02	67.81	246.63	62.43
10887	97.9	29.6	7.88	106.33	32.62
1841	97.88	275.92	85.51	46.56	50.38
1795	97.85	80.33	33.43	535.15	374.1
18452	97.82	193.43	54.35	1067.34	455.74
11423	97.82	98.61	17.64	33.73	15.52
20701	97.77	1801.6	178.47	879.28	390.31
135	97.72	68.79	24.42	307.58	109.35
5497	97.69	185.92	67.22	644.28	186.48
21066	97.69	122.51	17.34	59.2	18.89
11203	97.69	116.74	27.79	42.14	17.41
18036	97.69	71.26	19.65	277.73	93.62
13187	97.66	58.23	8.34	30.34	73.8
19255	97.64	657.51	209.95	202.15	96.67
9621	97.64	555.66	53.95	280.53	80.02
7784	97.61	49.96	9.99	121.96	50.77
16080	97.56	230.04	82.1	70.93	143.01
70	97.56	157.89	39.95	473.92	142.37
12118	97.56	767.36	146.25	267.5	189.09
15387	97.53	799.7	43.68	519.72	120.18
25313	97.51	276.33	53.95	99.09	60.63
1173	97.51	97.49	103.47	1578.26	696.88
21916	97.48	986.81	199.02	557.17	123.31
25257	97.45	318.98	90.76	98.49	66.84
21396	97.4	231.43	17.78	468.82	136.78
309	97.35	1105.54	113.43	693.57	136.64
19256	97.32	948.91	293.55	363.33	135.62
23344	97.32	810.95	140.95	374.33	124.15
24883	97.32	41.09	17.41	178.51	59.21
16327	97.29	230.86	47.89	544.93	157.54
14934	97.27	107.22	10.18	64.11	15.46
21915	97.27	950.07	99.71	563.49	131.44
1531	97.24	484.31	52	1056.99	326.1
16726	97.16	344.09	74.54	793.59	195.63

TABLE 500: INDOMETHACIN				Attorney Docket 44921-5038-01-WO	
Timepoint(s): 48, 72 hrs				Document No. 1935828.1	
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23872	97.11	254.62	73.06	73.96	154.85
4574	97.08	264.2	83.17	619.9	136.28
25777	97.08	347.17	36.34	686.6	244.17

TABLE 5PP: INDOMETHACIN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14887	97.98	39.7	10.19	295.44	248.43
3452	97.56	113.34	22.9	31.73	32.78
2961	95.96	93.75	21.84	41.04	20.13
2042	95.41	84.01	6.11	34.19	44.74
15884	95.17	195.5	29.21	92.97	61.83
15836	94.98	112.13	18.73	245.29	84.07
18465	94.66	551.62	71.99	274.96	190.83
23855	94.53	318.56	60.23	159.85	69.43
22321	94.5	157.21	58.08	77.02	109.56
13332	94.32	86.82	18.8	229.73	83.6
9267	94.18	771.45	326.64	1732.42	484.27
23570	93.95	129.06	9.82	183.05	35.35
16885	93.95	799.59	198.76	1621.44	471.39
7906	93.95	61.43	20.59	26.01	14.5
23989	93.95	1646.31	249.73	946.39	363.32
6723	93.28	91.03	21.51	192.69	74.03
19926	93.02	54.49	4.59	81.98	19.95
15786	92.83	173.8	33.73	309.1	79.66
154	92.7	255.9	32.19	166.18	62.21
2555	92.43	432.56	189.51	125.95	86.01
1221	92.43	640.55	302.2	30.23	114.19
4026	92.35	805.71	279.58	372.2	128.18
11720	92.24	1342.48	321.05	742.2	266.49
22770	92.17	354.66	44.24	250.18	113.51
19884	91.95	2267.57	197.03	5274.75	2647.08
10972	91.85	70.43	11.08	130.69	47.35
10270	91.77	52.14	22.31	140.09	63.1
19110	91.69	213.08	39.51	101.78	104.5
15697	91.69	62.5	8.65	38.53	14.72
6532	91.66	254.13	48.32	140.55	43.2
25370	91.66	69.57	14.55	156.8	91.86
6548	91.66	135.96	20.78	77.33	37.88
16821	91.37	746.55	138.47	536.52	147.17
18491	91.29	624.61	129.09	1079.1	289.36
7122	91.26	737.95	142.56	404.1	104.37
22151	91.24	70.89	21.33	168.59	107.83
12463	91.23	598.4	108.58	376.66	73.83
13368	91.07	139.27	27.57	62.55	26.25
3773	91.07	251.34	75.31	67.16	59.88
19412	91.05	761.27	170.08	385.98	115.8
23251	91.05	108.25	12.2	158.32	41.92
15887	90.91	522.54	139.7	233.16	152.99
21740	90.91	1308.85	280.77	736.05	298.99
16809	90.91	93.42	30.67	29.54	25.52
15207	90.86	191.4	61.75	74.45	41.71
2295	90.84	36.37	7.06	69.54	25.22
17634	90.65	399.11	122.21	165.52	71.51
15125	90.6	1063.71	71.59	1651.89	623.73
5695	90.57	170.31	38.37	329.97	129.54
21836	90.55	46.26	5.61	28.18	19.71
5275	90.55	71.43	14.64	30.71	26.47



TABLE 5PP: INDOMETHACIN					
Timepoint(s): 6, 24 hrs					
GLUC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17664	90.54	684.79	158.37	279.23	160.38
6275	90.52	279.74	61.31	615.47	256.24
13364	90.47	192.17	28.8	137.71	38.8
12301	90.41	301.26	85.19	137.25	65.84
17358	90.39	960.28	129.76	1568.33	445.19
15582	90.33	2340.09	398.99	5736.61	2867.39
21657	90.33	1127.57	153.2	750.47	293.76
4013	90.31	21.68	2.85	35.7	15.02
16709	90.28	1273.44	110.88	1717.41	371.74
11423	90.25	76.8	21.46	33.79	15.78
15157	90.23	88.11	10.03	58.01	33.14
24107	90.23	120.6	12.22	85.02	35.09
13520	90.22	283.71	99.61	109.9	86.8
11904	90.2	155.69	29.35	60.13	43.39
6226	90.14	62.86	21.39	26.61	22.45
5318	90.12	1323.21	158.36	3106.28	1757.54
8213	90.1	1735.99	218.93	3451.07	1392.82
8809	90.1	49.22	11.1	160.81	93.56
19827	90.07	877.79	131	1856.46	785.41
22619	90.06	614.37	108.48	299.24	114.04
2655	90.04	104.17	39.66	287.12	169.55
24592	90.04	146.05	28.55	80.32	78.39
14259	90.02	45.58	9.34	98.74	65.79
9595	90.01	345.94	71.74	179.72	56.98
23187	89.94	204.86	21.75	279.39	52.47
3504	89.93	449.05	77.53	284.63	83.19
23762	89.86	248.17	14.01	194.6	55.26
15027	89.85	186.46	29.72	92.26	45.76
5384	89.8	121.51	52.73	27.06	61.34
870	89.8	33.66	6.67	20.03	9.87
21109	89.78	46.38	4.56	34.39	11.97
17224	89.72	1608.96	229.99	1116.94	201.64
762	89.72	870	145.71	1608.19	598.82
16080	89.69	162.74	62.96	71.17	143.31
2430	89.64	83.63	27.36	23.61	28.09
11585	89.62	219.08	35.83	368.85	109.07
18744	89.59	108.26	17.72	74.93	35.44
16223	89.56	496.56	77.38	298.81	134.64
17573	89.54	42.84	26.35	169.74	104.7
20063	89.51	400.95	44.11	268.23	100.24
14303	89.45	423.75	110.16	235.41	77.97
3260	89.45	337.33	68.65	174.99	85.77
9821	89.4	128.56	18.4	70.89	27.55
21156	89.38	1694.45	253.35	5104.07	2988.91
19427	89.38	1497.71	168.52	3995.1	2472.79
15019	89.37	141.56	32.74	89.22	24.53
2444	89.3	70.37	24.38	167.61	72.74
15107	89.3	954.97	234.78	3953.6	2644.08
17252	89.25	359.12	58.17	686.47	283.78
21488	89.17	48.65	6.76	31.63	20.56
17541	89.14	717.33	403.54	1634.93	638.53

TABLE 5PP: INDOMETHACIN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20926	89.14	843.85	68.19	583.84	230.57
18582	89.11	338.73	47.29	231.94	72.25
772	89.08	67.35	8.92	36.93	17.84
20701	88.97	1467.91	258	880.38	392.7
20114	88.95	62.4	11.56	26.93	26.68
1641	88.36	200.93	33.99	110.21	51.87
23987	88.34	296.73	83.04	169.61	68.69
1572	88.24	112.55	18.42	73.14	32.56
1531	88.16	625.65	149.13	1056.62	326.83
20698	88.12	1446.49	286.91	896.97	447.53
1178	88.1	58.11	5.17	50.19	27.83
11827	87.97	70.63	16.03	38.44	17.08
9842	87.89	1130.01	162.74	1605.05	414.46
9223	87.86	150.77	24.16	89.24	43.16
10544	87.68	224.42	25.28	179.63	71.62
15489	87.65	112.91	15.25	76.3	23.7
746	87.63	50.29	9.53	125.54	81.83
2685	87.55	136.57	20.41	91.28	35.36
17805	87.33	1054.14	70.03	1272.09	281.89
738	87.33	36.13	2.63	29.62	8.52
21709	87.25	257.74	20.15	193.3	47.2
354	87.25	144.81	57.59	81.93	152.75
25064	87.25	882.19	57.21	1189.57	357.66
15933	87.2	266.44	72.66	160.35	59.82
4527	87.2	56.05	12.81	33.42	14.26
353	87.17	137.1	61.51	59.78	123.83
24433	87.15	35.24	12.16	24.32	23.98
5619	87.14	850.97	225.98	428.64	222.2
16610	86.99	218.43	47.05	147.57	75.68
13499	86.93	96.28	26.93	50.74	37.36
10167	86.9	220.12	37.35	139.64	72.6
15269	86.8	287.24	60.09	184.06	53.15
21011	86.67	1194.24	194.08	2366.94	1065.55
4144	86.64	717.92	92.42	508.9	115.6
24797	86.56	95.97	13.67	66.87	59.74
23044	86.53	224.45	41.23	152.81	56.45
25747	86.48	619.67	148.69	425.22	233.87
19411	86.45	116.37	55.34	33.59	20.94
1795	86.43	177.52	84.07	534.93	374.52
20354	86.37	196.63	109.23	51.67	58.35
17883	86.19	30.51	4.4	22.39	15.54
23226	86.14	80.45	9.27	56.46	29.88
1841	86.05	184.56	77.88	46.87	51.7
1501	85.97	730.3	133.89	501.17	251.44
6348	85.92	82.4	9.27	53.19	20.52
17589	85.91	125.36	57.82	33.16	33.5
12350	85.89	60.45	13.61	30.98	18
21708	85.89	105.85	18.82	62.13	28.38
13164	85.85	839.45	347.66	3807.98	2467.79
10947	85.85	1218.61	123.68	1887.82	948.43
16081	85.78	348.37	129.58	127.54	197.64

TABLE 5PP: INDOMETHACIN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
9841	85.74	1666.47	153.26	2171.24	563.9
18389	85.73	68.71	18.38	21.63	29.58
8768	85.73	38.98	6.62	21.76	12.46
15927	85.71	124.29	15.06	76.99	31.66
15116	85.62	173.73	63.58	86.11	29.13
19410	85.6	135.97	22.17	88.01	30.33
15803	85.55	42.58	3.57	40.9	24.49
17274	85.55	38.69	7.57	58.14	24.75
4504	85.55	69.98	23.19	26.59	81.74
17257	85.49	116.78	48.39	40.66	32.93
25629	85.48	72.13	10.78	50.46	28.23
15759	85.44	323.28	83.9	171.95	93.18
24345	85.4	445.87	62.58	264.39	301.31
4531	85.34	46.33	2.84	44.36	14.53
16125	85.33	216.58	76.48	93.26	38.27
25625	85.26	71.68	13.54	34.62	27.17
24596	85.21	91.29	8.08	77.52	44.19
155	85.2	90.57	31.89	41.65	26.57
19942	85.18	207.44	30.19	144.69	54.02
7063	85.18	126.5	27.91	92.67	98.54
16304	85.16	1018.71	176.88	1499.26	506.72

TABLE 5Q: INDOMETHACIN					
Timepoint(s): 6, 24 hrs					
GLC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14887	97.98	39.7	10.19	295.44	248.43
3452	97.56	113.34	22.9	31.73	32.78
2961	95.96	93.75	21.84	41.04	20.13
15836	94.98	112.13	18.73	245.29	84.07
23855	94.53	318.56	60.23	159.85	69.43
7906	93.95	61.43	20.59	26.01	14.5
23570	93.95	129.06	9.82	183.05	35.35
6723	93.28	91.03	21.51	192.69	74.03
19926	93.02	54.49	4.59	81.98	19.95
22770	92.17	354.66	44.24	250.18	113.51
19884	91.95	2267.57	197.03	5274.75	2647.08
10972	91.85	70.43	11.08	130.69	47.35
10270	91.77	52.14	22.31	140.09	63.1
15697	91.69	62.5	8.65	38.53	14.72
19110	91.69	213.08	39.51	101.78	104.5
6548	91.66	135.96	20.78	77.33	37.88
16821	91.37	746.55	138.47	536.52	147.17
18491	91.29	624.61	129.09	1079.1	289.36
3773	91.07	251.34	75.31	67.16	59.88
13368	91.07	139.27	27.57	62.55	26.25
23251	91.05	108.25	12.2	158.32	41.92
15887	90.91	522.54	139.7	233.16	152.99
2295	90.84	36.37	7.06	69.54	25.22
17634	90.65	399.11	122.21	165.52	71.51
15125	90.6	1063.71	71.59	1651.89	623.73
5695	90.57	170.31	38.37	329.97	129.54
5275	90.55	71.43	14.64	30.71	26.47
21836	90.55	46.26	5.61	28.18	19.71
6275	90.52	279.74	61.31	615.47	256.24
13364	90.47	192.17	28.8	137.71	38.8
12301	90.41	301.26	85.19	137.25	65.84
17358	90.39	960.28	129.76	1568.33	445.19
21657	90.33	1127.57	153.2	750.47	293.76
15582	90.33	2340.09	398.99	5736.61	2867.39
4013	90.31	21.68	2.85	35.7	15.02
16709	90.28	1273.44	110.88	1717.41	371.74
24107	90.23	120.6	12.22	85.02	35.09
15157	90.23	88.11	10.03	58.01	33.14
13520	90.22	283.71	99.61	109.9	86.8
6226	90.14	62.86	21.39	26.61	22.45
5318	90.12	1323.21	158.36	3106.28	1757.54
8809	90.1	49.22	11.1	160.81	93.56
8213	90.1	1735.99	218.93	3451.07	1392.82
19827	90.07	877.79	131	1856.46	785.41
24592	90.04	146.05	28.55	80.32	78.39
14259	90.02	45.58	9.34	98.74	65.79
23187	89.94	204.86	21.75	279.39	52.47
3504	89.93	449.05	77.53	284.63	83.19
23762	89.86	248.17	14.01	194.6	55.26
15027	89.85	186.46	29.72	92.26	45.76
870	89.8	33.66	6.67	20.03	9.87

TABLE 5QQ: INDOMETHACIN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
5384	89.8	121.51	52.73	27.06	61.34
21109	89.78	46.38	4.56	34.39	11.97
762	89.72	870	145.71	1608.19	598.82
17224	89.72	1608.96	229.99	1116.94	201.64
2430	89.64	83.63	27.36	23.61	28.09
11585	89.62	219.08	35.83	368.85	109.07
18744	89.59	108.26	17.72	74.93	35.44
16223	89.56	496.56	77.38	298.81	134.64
17573	89.54	42.84	26.35	169.74	104.7
20063	89.51	400.95	44.11	268.23	100.24
3260	89.45	337.33	68.65	174.99	85.77
14303	89.45	423.75	110.16	235.41	77.97
9821	89.4	128.56	18.4	70.89	27.55
19427	89.38	1497.71	168.52	3995.1	2472.79
21156	89.38	1694.45	253.35	5104.07	2988.91
15019	89.37	141.56	32.74	89.22	24.53
15107	89.3	954.97	234.78	3953.6	2644.08
2444	89.3	70.37	24.38	167.61	72.74
17252	89.25	359.12	58.17	686.47	283.78
3019	89.25	49.4	8.74	98.81	53.07
14827	89.19	27.88	18.95	99.2	80.08
21488	89.17	48.65	6.76	31.63	20.56
17541	89.14	717.33	403.54	1634.93	638.53
8742	89.14	114.3	11.18	157	32.42
20926	89.14	843.85	68.19	583.84	230.57
18582	89.11	338.73	47.29	231.94	72.25
14501	89.08	98.17	24.64	41.39	23.48
772	89.08	67.35	8.92	36.93	17.84
17240	89.06	1680.12	312.27	3692.46	1526.02
15467	89.03	119.2	25.28	57.7	30.94
16915	88.98	2018.28	372.08	5655.81	3069.92
20114	88.95	62.4	11.56	26.93	26.68
3079	88.89	228.17	113.62	145.73	53.56
11505	88.79	50.65	8.39	84.51	33.82
10332	88.74	250.87	99.23	54.41	87.77
12928	88.69	625.58	77.18	508.88	130.67
6189	88.58	1200.49	559.83	3938.18	2204.98
2492	88.58	244.05	41.12	137.16	56.34
19384	88.53	1393.65	171.83	2640.02	1354.54
15955	88.5	70.98	38.82	194.95	94.7
15904	88.5	261.46	56.83	145.22	52.79
2058	88.5	185.96	48.22	90.47	46.63
16783	88.44	137.29	51.69	28.88	39.91
6231	88.42	97.45	12.75	72.46	49.66
1641	88.36	200.93	33.99	110.21	51.87
18637	88.34	1244.1	201.94	2019.76	623.78
23987	88.34	296.73	83.04	169.61	68.69
13706	88.29	236.65	41.59	397.79	132.61
22542	88.29	1553.85	328.45	3415.72	1418.29
1531	88.16	625.65	149.13	1056.62	326.83
20698	88.12	1446.49	286.91	896.97	447.53

TABLE 5Qc: INDOMETHACIN			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935328.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1178	88.1	58.11	5.17	50.19	27.83
11827	87.97	70.63	16.03	38.44	17.08
9842	87.89	1130.01	162.74	1605.05	414.46
10544	87.68	224.42	25.28	179.63	71.62
15489	87.65	112.91	15.25	76.3	23.7
746	87.63	50.29	9.53	125.54	81.83
2685	87.55	136.57	20.41	91.28	35.36
17805	87.33	1054.14	70.03	1272.09	281.89
738	87.33	36.13	2.63	29.62	8.52
25064	87.25	882.19	57.21	1189.57	357.66
15933	87.2	266.44	72.66	160.35	59.82
4527	87.2	56.05	12.81	33.42	14.26
353	87.17	137.1	61.51	59.78	123.83
24433	87.15	35.24	12.16	24.32	23.98
5619	87.14	850.97	225.98	428.64	222.2
16610	86.99	218.43	47.05	147.57	75.68
13499	86.93	96.28	26.93	50.74	37.36
10167	86.9	220.12	37.35	139.64	72.6
15269	86.8	287.24	60.09	184.06	53.15
21011	86.67	1194.24	194.08	2366.94	1065.55
4144	86.64	717.92	92.42	508.9	115.6
24797	86.56	95.97	13.67	66.87	59.74
23044	86.53	224.45	41.23	152.81	56.45
25747	86.48	619.67	148.69	425.22	233.87
19411	86.45	116.37	55.34	33.59	20.94
17883	86.19	30.51	4.4	22.39	15.54
23226	86.14	80.45	9.27	56.46	29.88
1841	86.05	184.56	77.88	46.87	51.7
1501	85.97	730.3	133.89	501.17	251.44
6348	85.92	82.4	9.27	53.19	20.52
17589	85.91	125.36	57.82	33.16	33.5
12350	85.89	60.45	13.61	30.98	18
21708	85.89	105.85	18.82	62.13	28.38
13164	85.85	839.45	347.66	3807.98	2467.79
10947	85.85	1218.61	123.68	1887.82	948.43
9841	85.74	1666.47	153.26	2171.24	563.9
8768	85.73	38.98	6.62	21.76	12.46
15927	85.71	124.29	15.06	76.99	31.66
15116	85.62	173.73	63.58	86.11	29.13
15803	85.55	42.58	3.57	40.9	24.49
17274	85.55	38.69	7.57	58.14	24.75
17257	85.49	116.78	48.39	40.66	32.93
25629	85.48	72.13	10.78	50.46	28.23
15759	85.44	323.28	83.9	171.95	93.18
24345	85.4	445.87	62.58	264.39	301.31
4531	85.34	46.33	2.84	44.36	14.53
25625	85.26	71.68	13.54	34.62	27.17
24596	85.21	91.29	8.08	77.52	44.19
155	85.2	90.57	31.89	41.65	26.57
19942	85.18	207.44	30.19	144.69	54.02
7063	85.18	126.5	27.91	92.67	98.54

TABLE 5QQ: INDOMETHACIN			Attorney Docket 44921-5033-01-WO		
Timepoint(s): 6, 24 hrs			Document No. 1935823.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16304	85.16	1018.71	176.88	1499.26	506.72
21039	85.08	99.44	21.32	239.59	180.51
9541	85.08	124.15	44.41	72.06	109.95
8597	85.07	144.07	20.56	102.84	33.19
21707	85.07	152.81	70.83	40.76	52.2
8212	85.02	1243.19	145.66	1984.57	731.41
17908	84.89	121.64	35.63	72.53	116.7
15558	84.86	403.8	67.32	309.7	117.24
21076	84.84	50.29	5.48	40.21	16.58
15259	84.83	173.67	39.01	101.51	55.77
17995	84.78	1096.43	199.3	1700.15	651.94
20464	84.78	1368.16	149.82	1782.69	560.41
10623	84.71	558.28	150.08	1106.36	503.43
912	84.71	444.45	52.53	353.86	126.43
4011	84.65	1065.84	236.96	1821.55	680.32
14347	84.63	1231.25	156.22	1744.22	515.78
20449	84.59	80.01	96.05	40.6	104.34
24897	84.57	20.87	8.46	44.28	16.55
18327	84.56	101.34	33.54	44.4	26.98
25676	84.54	152.77	32.89	96.72	43.31
11203	84.53	86.52	27.79	42.24	17.81
16221	84.49	87.05	12.61	62.94	28
14353	84.43	57.65	12.97	37.24	21.71
19584	84.38	189.94	25.96	115.26	48.7

TABLE 5RR: MENADIONE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24 hrs			Document No. 1995828.1		
CLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24300	100	180.7	1.42	81.24	31.93
22176	99.95	345.1	2.61	103.62	68.4
4857	99.92	1124.49	17.98	397.4	136.61
8113	99.87	274.66	1.69	116.11	56.32
2052	99.87	399.44	5.83	169.68	80.64
17892	99.79	777.73	1.58	363.38	178.48
16345	99.79	365.41	3.4	622.3	140.2
3320	99.79	198.56	3.3	86.72	40.45
19063	99.79	62.36	2.22	168.67	45.16
2218	99.76	180.19	7.9	70.57	36.23
4954	99.74	1004.71	23.67	393.18	188.65
25371	99.68	130.65	2.54	55.32	42.87
4107	99.68	298.93	0.97	217.52	179.13
2487	99.66	138.35	10.62	54.31	34
10988	99.6	58.32	0.09	25.73	47.89
12793	99.58	61.18	0.52	33.62	19.37
6287	99.58	180.95	7.54	72.6	30.98
17673	99.52	172.71	6.62	69.05	41.3
15102	99.5	801.52	26.16	310.86	146.28
3057	99.5	187.93	4.35	63.41	41.88
22781	99.44	243.94	24.29	94.07	54.57
12996	99.44	567.38	16.39	315.41	136.2
8384	99.42	92.43	2.97	39.63	62.09
21890	99.42	239.85	0.72	153.66	69.42
9370	99.42	313.43	2.69	484.73	95.6
18216	99.39	102.58	3.92	46.23	18.46
22269	99.39	230.35	11.37	108.07	56.95
12243	99.39	90.42	3.71	31.08	26.91
5057	99.36	153.21	9.38	55.93	25.98
22379	99.34	152.12	22.08	472.67	216.47
11888	99.34	183.54	0.4	141.1	61.23
26270	99.31	89.86	5.02	37.12	18.67
14850	99.31	75.79	2.11	28.96	17.68
13426	99.31	969.36	18.48	530.79	178.2
8627	99.29	56.5	0.46	32.96	26.91
5021	99.29	327.22	10.83	169.74	69.46
13746	99.29	338.35	13.85	161.48	69.34
22772	99.29	49	0.35	29.56	18.97
11092	99.26	170.21	1.97	89.15	40.73
25058	99.26	151	3.2	78.96	42.21
10968	99.23	228.83	23.87	61.43	43.27
575	99.23	1693.34	21.47	904.1	309.05
18628	99.21	1376.06	3.06	1448.93	396.72
12909	99.18	206.44	7.94	102.99	53.06
9171	99.18	290.11	13.27	137.68	50.98
22105	99.15	41.53	7.54	140.33	42.86
26094	99.15	179.5	1.8	110.38	45.08
7253	99.13	114.1	11.91	303.81	94.98
8985	99.1	188.58	11.73	78.27	34.45
10944	99.1	81.25	2.35	29.8	30.52
17234	99.1	297.76	5.93	175.57	56.71



TABLE 5RR: MENADIONE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14167	99.1	245.59	4.55	134.58	47.68
15533	99.07	57.35	2.03	20.17	15.47
6483	99.05	86.28	8.31	235.53	77.52
22126	99.05	103.32	1.53	57.42	34.03
24095	99.05	158.52	0.73	97.45	50.15
3917	99.02	539.14	111.2	1585.96	509.75
19219	99.02	161.89	3.18	89.18	33.68
12758	99.02	112.57	1.96	54.84	29.87
22919	99.02	84.95	0.74	127.53	28.77
5459	99.02	187.12	13.03	77.83	29.88
11864	98.99	87.87	1.12	53.58	23.34
15551	98.97	502.29	15.59	326.86	67.26
1480	98.94	168.57	3.09	289.43	79.13
13899	98.94	175.39	2.06	88.48	41.54
19638	98.94	152.8	6.89	74.91	30.99
9594	98.91	141.58	3.82	75.16	28.64
19617	98.89	115.72	2.08	66.82	37.34
11942	98.89	108.48	6.32	45.54	24.33
9924	98.89	72.93	1.5	30.66	22.48
16889	98.86	238.23	30.65	89.64	46.92
25336	98.86	71.92	4.47	24.7	21.75
6413	98.86	138.24	14.78	41.08	23.49
23005	98.84	187.07	4.93	124.6	86.4
16005	98.84	209.58	19.7	405.59	82.34
3968	98.84	224.25	8.94	135.49	34.69
11686	98.84	145.27	14.08	53.72	25.93
5809	98.84	96.47	5.51	37.37	25.82
5104	98.84	146.92	1.4	107.12	22.23
19721	98.81	155.67	16.31	58.09	29.35
5716	98.81	151.3	29.59	53.6	26.97
6721	98.81	102.73	3.41	45.8	40.16
18074	98.81	58.73	1.15	36.04	21.86
19048	98.81	77.48	4.49	29.33	19.7
12195	98.81	219.37	15.01	91.54	50.11
23730	98.81	54.65	3.6	20.55	13.23
2667	98.81	1093.39	5.84	807.76	200.92
26264	98.81	103.62	3.61	52.25	20.48
6831	98.81	106.87	4.12	52.64	25.28
15283	98.78	324.91	28.52	644.4	206.73
24719	98.78	77.87	8.19	25.79	17.05
4245	98.78	444.89	17.75	738.82	176.68
15323	98.78	112.84	4.99	55.76	21.92
12568	98.76	54.18	1.46	28.95	12.83
22961	98.76	186	7.09	87.97	39.09
18	98.76	43.78	4.28	123.08	50.04
5386	98.76	133.04	9.98	53.62	30.72
2620	98.76	121.92	3.56	61.81	26.5
18078	98.73	85.57	2.12	46.74	79.49
9893	98.73	112.11	5.22	52.88	23.1
8392	98.73	119.19	4.5	45.14	36.36
17691	98.49	46.9	0.87	88.97	36.83

TABLE 5RR: MENADIONE					
Timepoint(s): 24 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2753	98.44	187.88	62.1	46.2	30.04
13186	98.36	190.58	20.37	77.58	34.13
13185	98.31	82.07	8.15	25.31	61.41
1791	98.25	124.5	1.11	86.65	34.18
16164	98.25	434.63	14.09	690.45	284.97
22006	98.25	233.67	1.69	307.53	76.47
15601	98.23	134.48	28.23	312.04	81.88
8386	98.2	275.88	19.69	134.61	48.34
20236	98.17	321.29	36.05	148.72	74.7
930	98.17	54.8	1.79	27.5	15.12
25546	98.17	73.78	5.1	29.07	36.17
20630	98.12	766.18	94.79	290.26	309.79
730	97.99	69.78	1.88	46.4	36.74
854	97.94	78.06	13.18	31.44	15.32
17561	97.91	489.69	9.58	260.53	144.84
23302	97.88	48.41	0.81	36.69	21.3
1396	97.86	56.95	0.38	59.24	18.79
15677	97.86	414.97	14.78	242.94	121.91
19584	97.86	143.08	1.24	115.57	48.91
24797	97.83	159	11.7	66.86	59.57
16495	97.83	555.16	2.06	557.12	151.84
20207	97.8	99.04	8.55	46.68	30.91
18967	97.8	466.22	142.66	211.17	144.3
19795	97.8	69.08	6.96	27.98	35.54
24800	97.75	303.14	24.72	139.49	67.47
11150	97.75	365.35	16.97	178.11	93.05
25160	97.72	135.14	26.25	39.22	24.76
24655	97.72	43.21	0.31	46.07	17.29
16109	97.7	245.38	9.16	384.71	89.62
18489	97.62	208.66	41.58	28.75	107.44
20625	97.56	1714.38	529.76	562.44	838.87
21866	97.56	360.7	51.01	178.2	78.58
25124	97.54	106.21	8.07	55.95	34.29
14965	97.49	939.38	178.14	297.07	183.06
492	97.49	270.17	34.15	144.71	121.53
25590	97.46	117.46	1.89	86.36	27.95
25083	97.46	82.53	25.15	28.46	17.43
18480	97.43	279.58	24.9	121.42	311.09
3076	97.43	89.72	6.6	43.93	22.57
20308	97.43	105.38	8.98	52.63	19.99
235	97.38	293.23	32.9	167.56	83.88
15629	97.38	105.54	3.57	59.2	26.08
25607	97.35	676.08	193.65	100.14	122.28
8269	97.33	1916.49	158.27	694.71	446.74
20811	97.33	1242.64	13.59	1728.83	500.77
17577	97.3	178.08	43.2	72.01	28.61
1471	97.3	59.06	1.78	39.02	24.94
11849	97.3	482.84	30.95	747.58	165.43
5617	97.27	332.47	159.93	58.28	53.76
20842	97.27	255.41	5.44	356.38	71.7
24857	97.25	64.93	7.44	22.78	16.34

TABLE 5RR: MENADIONE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24 hrs			Document No. 1935823.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
19679	97.19	228.54	6.58	390.62	141.2
1476	97.17	311.29	15.95	568.82	199.4
25399	97.11	371.57	43.31	153.04	220.19
25647	97.09	370.11	42.77	149.61	254.75
15779	97.06	74.86	3.07	38.89	29.89
956	97.06	286	1.91	301.35	128.58
1138	97.04	80.18	6.18	44.59	21.83
433	97.04	127.19	26.85	46.07	33.51
18541	97.04	752.26	22.27	1078.37	225.89
317	97.01	103.78	16.88	43.86	20.51
5619	97.01	1308.07	344.3	429.25	221.19
20626	96.96	475.22	107.28	161.8	327.05
15850	96.96	1101.56	6.17	1238.77	299.76
19726	96.9	163.15	32.19	80.07	34.17
16847	96.88	528.06	9.04	717.9	171.75
2643	96.85	92.03	7.9	50.89	20.77
25717	96.82	62.16	10.78	23.07	65.37
5034	96.8	485.96	15.25	751.36	202.34
25756	96.8	251.81	25.85	104.29	54.32
23489	96.77	71.41	7.41	26.47	28.57
18031	96.77	143.03	11.31	86.12	30.26
447	96.74	68.82	14.92	29.43	12.37
721	96.72	65.8	15.25	28.58	13.82
25671	96.72	113.37	8.71	55.13	194.9
997	96.69	49.38	15.13	22.19	16.2
16514	96.66	205.29	1.93	255.69	51.92
3928	96.64	90.11	3.15	54.81	22.12
25662	96.64	186.81	6.23	111	211.64
9029	96.61	196.39	23.26	379.98	189.45
690	96.61	93.5	34.45	33.01	15.99
9428	96.59	23.12	11.7	66.01	19.69
517	96.59	183.96	35.09	91.48	88.44
990	96.56	73.35	5.22	34.56	26.65

TABLE 5SS: MENADIONE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935328.1		
GLC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21874	98.09	714.16	66.32	274.46	146.04
9370	97.9	299.4	23.36	485.34	95.13
14923	97.8	150.34	11.7	308.85	347.67
24800	97.69	412.34	114.62	138.45	64.78
12306	97.42	2705.16	426	1139	519.81
22176	97.32	293.28	49.84	103.1	67.85
19721	96.92	128.44	17.6	57.91	29.23
18376	96.87	502.67	58.09	273.27	109.5
25759	96.87	204.94	50.78	52.81	44.87
17885	96.84	95.34	15.92	204.96	60.6
17614	96.63	341.7	46.67	185.32	53
15679	96.6	253.35	15.46	162.28	66.86
7050	96.49	71.17	6.78	40.17	13.37
16227	96.42	237	37.94	124.19	64.63
5251	96.39	417.43	27.99	228.66	91.78
21237	96.34	167.92	22.14	86.15	33.71
24672	96.23	65.83	9.07	35.55	22.26
9942	96.23	233.47	10.64	362.24	98.81
11830	96.18	1301.73	219.19	622.18	253.4
18346	96.15	58.25	12.71	145.88	48.88
12366	96.12	161.51	16.54	95.74	35.27
6308	96.02	309.42	29.51	190.29	59.01
15004	95.96	386.66	37.11	238.42	157.67
8609	95.91	211.52	25.1	123.49	35.89
402	95.91	2132.63	244.34	1202.48	414.73
4607	95.86	179.2	36.88	92.68	37.18
13581	95.83	121.37	17.67	55.1	24.94
6192	95.7	275.52	45.68	556.08	182.48
23527	95.67	153.5	20.81	74.11	40.86
5057	95.41	113.91	15.63	55.81	25.98
6003	95.38	143.34	13.51	80.22	37.48
21922	95.35	82.79	18.78	204.47	78.8
22619	95.33	539.43	55.17	299.6	115.07
1223	95.3	291.14	60.02	137.03	80.84
6555	95.25	153.82	16.88	253.91	68.51
16960	95.19	77.51	10.08	36.63	21.24
6479	95.14	1532.11	75.58	1041.33	394.73
15191	95.09	3244.47	431.72	1212.21	1328.34
15291	95.06	110.82	9.78	70.41	39.05
11057	95.03	121.35	13.49	55.43	40.56
24857	94.95	64.47	16.43	22.65	16.16
23682	94.93	431.37	47.84	245.85	101.59
20308	94.93	93.81	10.91	52.52	19.92
16683	94.85	118.83	10.61	76.13	35.43
7860	94.85	76.57	12.22	31.9	25.93
24300	94.82	142.98	17.44	81.11	31.92
3968	94.74	199.42	18	135.32	34.63
22783	94.66	291.56	31	165.28	123.49
19048	94.61	69.79	12.44	29.21	19.6
18289	94.58	567.01	40.2	373.03	125.1
15786	94.53	167.7	27.33	309.13	79.62

TABLE 5SS: MENADIONE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935323.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2329	94.53	408.53	39.92	217.64	99.54
11631	94.5	318.94	82.68	141.5	76.24
25756	94.45	233.48	36.77	103.91	53.94
13027	94.45	85.08	8.75	176.1	57.93
16109	94.42	238.15	26.31	385.19	89.34
6598	94.42	381.42	57.54	182.73	84.32
13377	94.32	1409.07	68.91	954.34	331.58
20450	94.32	130.43	20.38	72.2	28.95
12974	94.29	194.88	13.16	125.27	46.52
20701	94.29	1366.85	185.45	880.87	393.54
6845	94.24	49.02	4.89	28.18	12.7
4213	94.18	4824.8	285.81	4465.41	3881.05
25546	94.18	68.9	13.48	28.95	36.15
21152	94.16	3844.33	233.83	3592.61	2481.52
17455	94.11	280.41	34.66	166.29	67.91
26313	94.03	116.84	15.3	66.02	35.42
15776	94.03	311.51	42.17	189.48	82.54
21917	94.03	152.94	42.24	74.85	65.82
174	93.92	101.38	15.55	43.2	32.8
19011	93.92	431.83	92.84	288.68	89.28
11889	93.87	37.05	3.38	21.77	10.49
19309	93.87	38.24	26.96	91.59	25.39
18267	93.87	346.69	66.22	126.28	106.4
6274	93.84	180.9	14.7	116.03	97.86
19012	93.84	683.46	84.05	439.74	165.4
3259	93.84	83.94	51.68	243.18	76.39
16401	93.81	5672.7	575.16	5366.36	5007.6
10666	93.79	377.1	36.21	570.86	119.56
9575	93.79	257.18	44.54	447.09	109.46
22791	93.79	232.74	44.91	139.38	64.05
2918	93.76	631.79	59.62	435.55	137.55
18648	93.71	65.41	7.43	36.53	22.03
26267	93.71	93.67	9.33	52.82	27.89
13899	93.6	168.37	20.52	88.23	41.36
4073	93.57	95.92	16.77	251.33	144.2
5263	93.55	254.49	36.09	450.62	127.69
3537	93.49	256.62	33.83	439.6	116.24
22981	93.49	312.93	27.91	194.98	67.66
23674	93.44	53.43	7.81	23.63	17.57
1959	93.41	3101.5	192.27	2981.8	1820.95
1409	93.39	228.7	40.31	411.79	113.62
17334	93.39	311.96	66.11	176.67	86.64
2566	93.39	31.36	105.72	381.53	176.99
25325	93.36	1467.89	200.42	1624.58	1181.83
6304	93.31	66.67	6.46	41.92	20.93
22294	93.31	193.25	20.42	118.16	45.67
5993	93.31	51.64	10.75	20.65	16.29
26349	93.28	209.41	29.13	128.94	54.75
23770	93.23	89.1	4.24	68.39	20.13
16963	93.12	5068.31	328.3	4286.61	3539.05
15190	93.12	4411.01	697.88	1828.63	1710.94

TABLE 5SS: MENADIONE			Attorney Docket 44921-5033-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935823.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17109	93.04	5187.13	462.26	4958.81	4398.12
16274	92.91	4458.67	382.12	4093.23	2903.72
3474	92.91	197.48	25.38	320.95	79.31
1719	92.86	166.34	25.52	101.77	50.65
395	92.78	43.75	5.33	25.65	15.97
25439	92.78	2727.77	250.49	2576.25	1802.37
25446	92.64	79.85	7.24	52.3	30.47
139	92.59	68.42	12.24	41.15	21.48
15601	92.35	190.48	28.78	312.34	81.87
889	92.35	85.09	7.78	57.34	25.47
111	92.27	3538.16	264.43	3155.92	2039.91
818	92.22	3600.31	311.77	3418.63	2161.05
14285	92.19	35.68	4.14	22.69	9.38
772	92.19	109.12	32.56	36.73	17.13
24799	91.95	695.67	144.08	304.68	123.71
14983	91.9	3883.71	639.42	4036.95	3467.99
20426	91.85	116.75	17.78	74	29.74
835	91.82	35.43	3.63	23.05	10.24
23178	91.66	78.23	8.46	119.12	28.82
16449	91.58	27.12	66.25	331.78	189.63
17176	91.56	1338.78	95.82	1492.98	635.4
17472	91.4	2846.34	209.95	2570.69	1603.04
20410	91.39	90.58	22.39	39.72	27.34
23220	91.32	116.06	8.35	84.65	30.26
24283	91.32	107.56	13.44	58.02	37.66
1877	91.32	426.48	64.69	697.44	185.8
8641	91.24	426.91	77.47	221.09	143.78
20626	91.18	303.4	46.77	161.63	327.67
25608	91.15	74.76	27.7	26.37	16.94
4212	91.13	4734.12	342.94	4062.27	2677.39
1138	91.08	71.76	10.45	44.52	21.82
2106	91.05	125.59	16.64	60.79	50.43
20276	91.05	68.17	6.77	51.22	26.71
2970	91	3099.91	165.88	2296.06	1092.69
20698	90.97	1661.6	250.1	895.94	446.11
1264	90.89	5056.59	557.91	4271.77	3343.11
24798	90.89	1216.71	246.68	568.13	194.03
25431	90.87	39.42	7.5	22	17.89
24596	90.76	81.05	2.77	77.57	44.21
17653	90.75	150.35	42.3	60.9	28.22
8266	90.73	3791.28	322.85	3553.27	2252.62
5617	90.73	225.83	118.28	57.92	53.41
17111	90.73	5089.37	584.38	4309.49	3705.27
24414	90.63	196.56	13.11	145.18	45.31
24785	90.57	108.69	14.28	66.37	28.11
16275	90.52	3703.22	398.86	3434.4	2264.74
13686	90.51	79.06	10.34	43.77	17.21
20833	90.41	522.74	92.1	784.7	162.71
24362	90.41	3157.46	382.51	2972.18	1816.13
22781	90.39	144.78	16.92	94.07	54.87
15421	90.39	386.8	25.15	521.95	110.65

TABLE 5SS: MENADIONE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 3, 6 hrs			Document No. 1935323.1		
GLC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
6109 ,	90.39	3892.59	421.76	3587.94	2271.51
109	90.36	4267.74	420.11	3932.08	2218.07
1340	90.36	74.4	9.59	52.89	25.2
25805	90.33	101.74	19.82	50.95	18.88
7897	90.31	3855.77	393.93	3453.76	2131.21
1682	90.3	84.93	16.27	45.13	21.22
24219	90.25	593.76	96.63	379.86	188.74
819	90.23	3042.17	168.2	2545.71	1186.25
25607	90.2	419.03	157.7	99.54	122.38
20249	90.2	46.76	7.26	24.84	21.04
575	90.2	1737.56	370.42	901.37	304.79
21123	90.18	640.81	49.15	947.96	279.54
25681	90.15	4723.2	312.96	3800.99	2398.13
20266	90.12	196.98	21.62	135.98	68.99
4590	90.04	22.67	9.97	51.5	26.92

TABLE 5TT: PHENOBARBITAL			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs			Document No. 1935828.1		
GLC/C					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12160	99.57	14509.4	1799.95	1049.44	854.7
20384	99.36	2701.88	410.3	150.03	155.21
16619	99.36	713.25	246.34	40.9	32.13
25055	99.28	5929.63	1086.36	212.08	345
12158	99.23	5925.29	1167.93	202.62	343.02
12155	99.12	6862.7	1252.04	598.29	481.88
25056	99.12	7387.16	1370.12	900.36	532.06
12156	99.07	8591.53	2032.53	458.65	609.76
18989	99.02	4513.32	609.96	1461.71	655.12
12157	99.02	9007.72	1942.89	530.8	757.11
24860	98.57	2059.71	459.96	381.67	242.66
17541	98.51	4033.99	520.97	1617.79	616.82
20914	98.49	2651.89	1037.07	223.6	247.17
1794	98.33	8380.61	2185.02	2140.54	1183.97
21903	98.27	3643.76	729.8	1515.09	462.39
1793	98.19	4171.77	1131.42	1144.07	573.64
15879	98.11	611.47	118.46	310.74	80.78
2486	97.93	1195.54	262.49	515.34	157.1
1797	97.77	6145.42	1635.04	1773.22	976.28
1795	97.69	2239.55	703.59	524.16	350.78
21904	97.37	8156.77	1552.69	2978.72	1550.8
23930	97.32	236.88	60.38	53.1	44.14
25400	97.16	4568.93	802.12	1658.37	916.05
20915	97.05	1964.9	773.41	527.84	347.82
17091	96.76	116	23.06	44.55	42.17
11988	96.6	139.95	37.51	56.28	26.63
11153	96.28	260.25	46.26	634.11	201.28
17995	96.2	3547.7	563.59	1687.45	638.23
21011	96.09	5332.75	1152.88	2345.58	1043.63
11152	95.75	98.68	23.39	334.96	142.03
21015	95.7	5743.81	998.6	2912.28	1030.16
21260	95.27	299.99	54.47	128.19	78.98
15124	95.09	2406.47	353.59	1345.49	441.15
25525	94.93	2250.03	464.69	1343.7	361.41
11150	94.87	44.26	13.71	179.12	93
634	94.85	2521.56	315.16	1528.26	416.14
12064	94.82	1068.73	193.68	606.32	195.57
16703	94.82	1966.01	255.17	1165.03	381.58
15125	94.79	3096.02	530.42	1641.41	615.12
21013	94.74	5830.6	1551.69	2598.03	1193.02
762	94.69	3038.68	633.54	1597.05	590.38
18588	94.66	403.75	65.1	236.31	97.4
11151	94.55	221.98	55.37	509.67	187.01
22979	94.1	446.42	46.16	302.55	95.45
20913	93.94	2688.59	2126.02	259.45	260.34
1354	93.94	372.7	54.99	261.62	222.06
9267	93.89	2683.56	267.74	1722.77	484.01
23243	93.86	3388.07	493.94	1787.33	778.25
20845	93.81	437.39	59.24	243.05	112.85
15127	93.38	1092.94	112.75	691.3	326.58
4144	93.3	388.45	17.06	510.54	116.34



-1030-

TABLE 5TT: PHENOBARBITAL					
Timepoint(s): 24, 48 hrs					
GLC/C					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12556	93.19	471.8	169.24	58.76	95.77
19271	93.15	134.66	35.71	273.31	93.74
7882	93.07	225.07	29.35	81.78	75.73
4312	92.98	521.06	266.69	61.32	146.18
15955	92.88	330.93	30.29	193.64	94.59
635	92.88	2600.97	345.87	1568.77	481.76
20090	92.83	63.15	7.18	109.83	42.39
24112	92.64	2163.88	366.35	1244.91	607.68
12060	92.53	50.55	8.73	91.31	25.79
17705	92.45	82.18	9.37	131.44	38.83
1796	92.37	882.48	338.68	235.11	173.14
5263	92.35	654.46	52.63	448.6	127.54
18939	92	673.45	204.98	202.49	117.42
5968	91.87	1151.84	215.84	708.98	247.14
15166	91.84	415.88	22.37	588.85	137.61
4198	91.68	745.2	83.97	1092.52	231.77
6633	91.6	758.67	172.56	1250.77	331.5
18473	91.52	942.15	242.01	433.28	208.17
8872	91.49	998.09	281.52	491.49	237.66
14957	91.42	77.29	6.42	126.62	46.79
1174	91.29	4791.97	713.92	2379.14	1388.64
13364	91.23	47.42	35.62	138.45	38.39
20707	91.23	1399.02	196.5	601.99	294.44
25725	91.17	270.08	56.84	142.09	63.02
16801	91.15	99.62	9.88	141.59	35.86
4103	91.12	382.3	55.98	198.23	68.92
6524	90.97	546.51	29.95	699.53	141.78
2393	90.91	157.72	41.9	287.6	85.55
3254	90.89	237.54	7.36	257.04	90.92
8212	90.83	3112.17	354.67	1975.03	728.36
5794	90.78	70.25	12.28	123.81	38.5
17740	90.78	4008.33	523.88	2188.6	950.26
5497	90.7	427.99	58.95	643.48	188.3
9032	90.7	823.09	122.31	603.96	158.27
3259	90.67	360.08	39.26	241.8	76.74
3143	90.6	249.63	20.08	355.57	95.49
21039	90.59	720.51	176.04	236.37	176.95
19319	90.54	65.92	11.77	121.34	49.96
23445	90.52	78.1	28.93	236.42	130.77
11830	90.46	377.42	38.91	626.73	257.51
16781	90.44	482.82	105.22	328.26	126.29
4185	90.25	6527.56	558.8	4083.35	2982.46
14811	90.22	106.7	34.71	41.76	24.4
7460	90.14	13903.64	1196.71	8321.17	5716.29
25069	90.06	663.79	261.49	202.92	247.01
17082	90.04	52.62	6.86	89.47	33.8
17766	89.98	689	57.06	487.27	93.09
11755	89.96	2478.27	379.82	1553.49	581.96
16701	89.82	3456.85	244.83	2268.68	714.6
20889	89.8	84.13	16.75	156.56	73.91
4186	89.77	5001.5	445.22	3629.64	2066.56

TABLE 5TT: PHENOBARBITAL					
Timepoint(s): 24, 48 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18990	89.77	75.49	27.67	25.51	57.32
15187	89.64	63.15	9.02	108.66	43.44
1430	89.58	223.43	38.49	90.18	69.26
21038	89.5	733.73	177.68	291.84	201.15
1175	89.23	1449.5	271.46	626.21	343.54
18730	89.16	5379.25	576.87	2887.14	1605.69
26034	89.16	132.89	28.5	52.95	59.9
1853	89.11	5250.77	501.98	2960.48	1633.18
21078	89.08	461.93	70.94	739.71	214.88
5493	89.08	73.21	10.75	54.29	64.32
5496	89.05	317.11	55.78	493.63	155.54
25883	89	3428.03	299.6	2243.39	1051.58
16564	88.92	122.78	23.49	216.29	84.95
17148	88.87	6457.02	555.69	3821.55	2484.2
25705	88.84	562.23	37.31	744.38	198.88
109	88.68	6218.69	454.19	3921.54	2212.43
17805	88.68	1809.45	190.99	1268.19	279.33
20404	88.66	91.37	24.29	205.76	111.45
14534	88.63	8788.22	991.68	4577.37	3851.67
1603	88.62	707.02	82.71	459.07	120.8
8266	88.58	5623.63	609.92	3543.41	2247.9
23709	88.58	75.1	10.72	178.06	250.82
1602	88.55	629.19	74.59	465.64	108.93
20849	88.52	90.37	10.03	138.46	47.97
17147	88.47	5523.31	565.78	3199.37	1951.71
17507	88.42	302.34	20.96	428.45	115.23
18640	88.23	115.7	10.2	159.23	38.33
13088	88.12	1836.55	198.73	1272.65	440.08
17109	88.1	9993.09	1565.35	4933.15	4382.67
23069	88.02	21.58	2.62	33.26	11.81
16274	87.96	6083.51	623.66	4084.4	2900.74
7101	87.94	2763.75	445.77	1901.67	637.97
17092	87.88	126.68	17.28	80.55	46.53
18899	87.86	30.42	4.35	45.83	13.43
2969	87.75	3421.75	431.08	2127.84	1026.48
20899	87.73	46.49	3.88	69.46	24.5
26047	87.69	178.16	55.21	69.79	72.09
15165	87.57	80.94	12.71	124.84	34.8
22025	87.51	4570.37	649.96	2688.89	1734.91

-1032-

TABLE SUU: TACRINE					
Timepoint(s): 6 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20744	98.81	992.11	49.01	346.88	302.63
17050	98.28	379.56	51.02	189.11	45.94
13369	98.2	313.84	29.32	166.05	41.94
19412	98.04	632.66	26.83	387.12	118.38
21709	97.85	308.7	21.56	193.31	46.99
22513	97.67	714.42	622.68	36.75	791.9
18389	97.67	108.22	18.24	21.62	29.4
6919	97.67	1115.56	206.3	342.91	293.47
21063	97.54	146.26	45.53	45.87	22.56
8210	97.51	439.87	119.86	126.05	86.09
6060	97.48	320.41	14.26	497.63	113.5
12704	97.48	3225.2	738.25	1537.63	371.36
19472	97.46	953.71	72.93	581.75	129.12
6079	97.35	108.49	8.34	60.79	91.63
21980	97.32	1002	119.49	504.82	160.92
21209	97.27	374.82	146.99	83.28	83.82
12306	97.22	2938.32	781.9	1141.7	521.75
24427	97.16	173.63	19.02	108.43	25.14
20728	97.11	422.01	24.13	263.13	83.97
13166	97.06	303.12	88.37	85.31	66.01
633	97.03	856.71	47	1338.05	288.02
16762	97.01	97.61	6.27	59.29	86.96
24200	96.95	1448.31	479.01	437.64	246.76
21062	96.85	100.66	28.74	24.9	77.86
344	96.82	2969.83	492.02	1274.65	554.2
6236	96.74	252.53	70.23	951.24	409.13
23606	96.71	989.3	166.6	405.17	222.93
22729	96.66	319.68	12.19	182.4	79.86
15558	96.42	589.95	181.9	309.41	116.18
5003	96.4	382.44	32.14	215.43	84.35
7451	96.4	1978.62	261.09	1138.59	308.49
22514	96.34	132.27	49.43	53.14	79.41
17590	96.34	223.78	43.2	106.05	46.42
19513	96.32	307.72	108.08	161.95	46.53
17709	96.29	137.32	33.21	37.84	42.27
5110	96.16	586.14	94.86	322.81	112.64
1991	96.13	57.8	9.91	26.22	15.81
21952	96.1	90.92	14.32	48.78	17.41
24508	96.08	211.47	23.6	112.86	47.28
20435	95.95	64.16	9.79	27.19	14.33
8360	95.92	176.06	5.07	239.49	62.03
2939	95.87	54.55	26.97	208.22	81.78
3709	95.87	38.94	2.34	77.47	35.91
23464	95.81	704.11	117.59	418.74	110.44
12438	95.79	249.67	19.56	138.33	68.02
18715	95.79	358.3	40.15	196.07	76.37
18383	95.71	1135.08	127.59	750.34	166.53
2559	95.71	186.95	25.32	104.46	38.27
373	95.63	227.24	32.46	474.41	165.43
20464	95.6	1095.35	43.55	1782.54	559.52
5579	95.57	257.01	69.72	137.63	47.93

-1033-

TABLE 5UU: TAGRINE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935328.1		
GLC6 Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24152	95.52	67	1.64	89.87	38.21
1286	95.5	183.35	27.33	112.79	27.95
5111	95.39	532.21	128.55	235.59	135.31
19410	95.31	172.82	39.04	88.02	30.15
13420	95.28	654.46	191.67	378.53	98.34
7166	95.23	47.54	94.21	80.42	49.57
16701	95.15	1261.86	136.13	2277.64	717.12
25742	95.12	80.09	17.45	39.46	20.84
3082	95.07	451.48	96.44	259.74	94.84
2514	94.99	1247.26	322.15	547.73	284.03
16533	94.97	800.73	179.26	445.22	130.9
6720	94.89	227.94	50.85	31.13	97.8
2557	94.86	68.59	16.34	35.61	16.81
22927	94.86	64.14	13.24	27.73	17.99
12102	94.73	368.23	93.97	147.04	96.66
12516	94.67	1348.53	187.49	879.19	195.66
12210	94.62	674.98	80.19	318.58	179.59
11152	94.59	646.99	94.91	332.88	141.9
22011	94.59	132.87	21.89	76.56	26.13
23519	94.57	133.17	22.15	77.81	22.23
16398	94.57	839.75	91.42	527.5	137.55
20	94.57	625.39	97.54	346.48	136.85
24204	94.54	111.5	14.67	71.97	20.1
22396	94.49	162.13	27.53	98.98	28.64
1141	94.38	256.36	14	177.05	56.18
1382	94.38	40.43	1.43	37.92	15.32
16703	94.36	585.83	91.17	1170.81	384.69
2569	94.36	251.91	137.3	909.5	288.88
18074	94.17	60.23	9.31	36.02	21.85
20701	94.14	1440.72	250.45	881.7	393.51
5936	94.04	68.8	6.84	23.21	31.36
5131	94.04	435.41	42.67	257.14	90.74
23243	93.93	629.83	152.9	1798.88	784.27
19150	93.93	83.76	13.27	43.56	23.05
21866	93.93	289.08	32.27	178.19	78.76
2242	93.91	4309.63	662.67	2425.76	879.85
6138	93.88	384.76	68.99	227.9	68.41
1084	93.83	49.31	6.12	26.71	14.04
18795	93.8	945.93	140.98	540.82	204.52
5876	93.77	1505.45	97.31	1081.12	389.77
21341	93.72	498.39	73.45	857.6	303.48
2568	93.67	53.46	11.11	141.53	90.79
11166	93.67	272.39	59.51	521.55	148.22
20698	93.67	1371.7	196.62	898.34	448.29
410	93.64	63.01	24.82	186.91	90.68
11197	93.61	189.18	7.01	243.96	56.06
139	93.53	70.22	10.9	41.21	21.5
4407	93.51	205.71	11.21	143.9	57.78
912	93.51	501.96	42.56	353.9	126.25
17062	93.51	220.93	46.01	114.24	47.55
24459	93.4	323.38	55.67	214.05	77.63

TABLE 5UU: TACRINE					
Timepoint(s): 6 hrs					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4523	93.4	132.26	28.17	63.06	32.11
22314	93.35	241.61	39.08	142.54	49.87
6377	93.27	101.92	8.93	185.61	119.92
15002	93.24	189.83	11.9	141.14	75.67
960	93.22	124.24	17.18	215.73	65.87
5050	93.22	72.57	7.85	48.14	27.95
13646	93.22	964.35	46.75	747.74	197.55
14347	93.16	1160.18	54.48	1743.32	515.67
4349	93.11	59.4	9.99	24.3	17.83
16708	93	615.93	125.51	446.83	94.51
767	92.93	46.98	3.61	27.41	16.65
24862	92.69	306.27	47.3	200.09	58.42
24066	92.66	53.9	7.05	32.6	11.99
15697	92.63	65.64	9.7	38.58	14.74
14953	92.53	522.37	37.45	387.26	80.08
25366	92.4	934.17	30.04	891.92	402.32
25611	92.37	59.69	3.26	42.72	24.51
23543	92.34	868.93	81.11	586.14	160.83
5257	92.34	101.39	22.95	55.82	22.48
1409	92.34	227.42	52.02	411.4	113.81
20793	92.32	158.96	13.55	109.13	30.81
43	92.26	671.9	74.72	434.54	131.34
17433	92.26	260.91	27.83	184.07	54.65
7063	92.24	172.23	64.75	92.62	98.35
9520	92.24	148.15	23.51	90.31	30.29
17517	92.18	493.07	62.8	334.21	99.78
19584	92.16	210.98	33.57	115.36	48.67
4438	92.13	67.98	14.64	38.23	21.03
24205	92.1	160.74	14.55	106.87	34.36
17303	92	53.51	13.3	32.64	13.33
25768	92	210.11	36.07	128.94	42.27
18452	91.97	398.19	128.98	1065.41	457.59
799	91.89	121.66	18.13	258.08	183.73
1700	91.89	147.49	26.83	84.26	44.22
20735	91.89	307.34	83.55	189.6	132.43
5617	91.76	142.38	41.03	58.49	54.93
20935	91.76	295.32	22.28	230.21	42.1
4554	91.73	125.4	23.34	77.21	40.15
15339	91.65	148.59	6.71	124.41	34.48
21708	91.6	107.48	20.06	62.22	28.43
16444	91.49	152.52	7.28	123.3	50.18
14184	91.49	364.58	74.74	196.86	110.06
515	91.49	72.75	9.3	47.46	20.74
17896	91.47	59.18	8.94	112.37	41.42
4339	91.44	201.72	28.66	140.82	39.42
13092	91.44	68.66	27.49	220.65	123.7
2744	91.39	287.61	31.87	207.79	84.44

TABLE 5VV: THIOACETAMIDE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14124	99.79	223.08	59.2	53.68	61.55
2109	99.63	1619.05	210.49	778.74	242.65
14125	99.63	381.23	45.35	92.39	43.16
8874	99.6	224.86	97.45	33.97	93.98
19456	99.52	1200.19	444.2	21.37	125.37
455	99.52	186.68	14.66	47.96	27.58
21624	99.5	2877.58	335.23	1282.27	459.03
15185	99.5	596.13	178.6	59.09	95.37
13023	99.5	309	130.18	39.97	81
16457	99.47	442.4	55.93	167.91	77.21
4048	99.47	2162.51	746.07	45.11	215.49
14126	99.44	312.13	48.4	29.67	55.07
17752	99.42	126.59	30.6	472.83	141.01
4097	99.39	215.08	51.33	36.55	22.16
4095	99.39	281.42	62.64	42.25	34.21
574	99.34	660.26	309.17	92.67	161.05
2765	99.34	208.05	51	37.64	22.38
6315	99.26	324.55	55.22	132.38	56.1
24801	99.26	193.45	17.56	452.28	147.75
7062	99.26	543.91	144.13	101.79	101.06
4049	99.23	2728.23	747.06	123.73	219.88
23035	99.2	101.47	35.31	622.41	217.01
12314	99.2	649.3	116.43	2170.56	673.35
24803	99.18	326.7	95.17	969.69	348.24
22684	99.15	960.68	137.46	484.73	210.89
15365	99.15	1904.78	267.2	708.21	344.39
19040	99.15	400.52	120	39.62	55.7
4452	99.12	348.56	58.03	1108.26	347.16
20770	99.12	380.46	97.32	76.47	65.15
2417	99.1	647.6	74.27	322.88	83.01
23173	99.1	953.61	280.91	166.15	107.37
6039	99.1	554.77	44.43	192.65	68.77
19316	99.07	246.39	87.84	44.8	34.8
14840	99.07	263.13	48.08	72.01	37.06
4261	99.05	539.73	93.73	1139.77	209.3
4098	99.05	299.73	51.77	73.32	36.79
23273	99.02	259.98	14.58	143.2	45.11
10015	99.02	441.54	77.33	137.73	48.57
22321	99.02	964.01	336.32	74.11	93.51
20509	98.99	52.18	4.89	23.71	9.44
14929	98.99	728.2	332.36	119.63	77.78
20589	98.99	235.16	102.85	24.59	23.52
22606	98.97	833.91	162.07	2170.39	530.99
15409	98.94	174.22	30.55	601.57	285.07
2069	98.94	1001.6	187.55	447.79	87.33
7197	98.94	110.59	43.53	24.68	16.08
24707	98.94	276.06	80.2	1264.31	453.06
24040	98.91	1743.78	421.28	566.13	220.67
3895	98.91	184.27	68.54	26.71	21.25
5175	98.91	396.37	195.53	39.48	59.89
20869	98.91	429.55	147.84	59.06	43.02

TABLE 5VV: THIOACETAMIDE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23731	98.89	293.68	76.54	131.71	49.58
20587	98.89	437.57	91.43	1017.45	250.54
17480	98.89	201.94	48.87	68.06	33.02
25279	98.89	573.02	130.36	190.9	85.32
2459	98.89	313.18	236.24	26.33	38.53
4491	98.86	564.41	157.03	150.36	57.65
2895	98.86	342.24	50.81	125.44	42.79
18119	98.86	455.08	59.43	177.72	55.14
15012	98.83	229.04	47.87	81.9	58.92
16170	98.83	203.83	59.37	58.96	37.71
17514	98.83	119.01	46.34	531.29	139.51
19407	98.83	1209.07	117	598.87	154.22
13482	98.81	39.09	14.34	170.17	62.14
1460	98.81	1298.65	187.76	282.3	147.04
16813	98.78	102.95	10.12	251.19	65.04
7063	98.78	609.22	144.29	90.91	92.99
10016	98.78	362.99	69.1	91.49	46.31
22607	98.75	249.94	79.92	930.14	237.47
21796	98.75	499.17	133.07	103.3	52.38
6911	98.75	53.72	13.01	234.4	74.16
13317	98.73	132.99	14.51	47.48	31.71
22519	98.73	633.78	111.34	1691.16	425.52
16650	98.73	178.76	37.85	58.5	56.41
10109	98.73	1783.26	105.67	1044.79	219.56
13539	98.7	356.7	51.77	177.05	42.91
1414	98.7	184.02	39.55	41.08	20.94
15258	98.67	985.59	328.35	252.54	133.47
3404	98.67	404.16	91.71	126.3	40
20868	98.67	284.65	99.4	41.25	32.69
12606	98.65	185.44	52.02	742.26	237.79
17680	98.65	1261.07	189.79	410.62	168.29
15888	98.62	436.93	112.38	165.89	140.02
17537	98.62	199.87	28.29	105.68	37.07
5421	98.62	573.42	153.2	200.26	71.05
7262	98.62	1756.3	308.46	565.61	225.13
3090	98.62	289.95	28.26	141.16	39.16
4451	98.59	61.8	27.16	268.23	98.07
2893	98.59	976.57	164.37	420.18	100.83
23013	98.59	557.16	88.62	230.95	68.99
21802	98.59	84.27	11.53	26.95	15.08
16584	98.57	184.55	107.55	22.86	38.52
20771	98.57	201.07	22.61	361.5	72.1
11455	98.57	195.57	56.2	46.02	53.11
23596	98.57	443.56	133.71	1325.62	359.5
4490	98.57	1056.88	347.95	303.22	131.76
2896	98.57	182.71	21.98	67.2	30.68
18165	98.54	58.8	14.89	21.53	10.38
7825	98.54	254.05	33.99	111.16	42.78
16581	98.51	79.68	21.93	25.33	14.43
14121	98.49	574.45	62.25	217.5	100.17
238	98.46	297.6	41.62	140.29	46.6

TABLE 5VV: THIOACETAMIDE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 48 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
19745	98.46	137.4	17.02	50.67	21.56
16148	98.44	433.4	97.61	1038.95	379.87
12118	98.44	1855.09	531.03	263.73	163.1
18068	98.41	124.18	30.54	42.01	13.89
16444	98.38	304.39	74.75	122.7	48.82
20082	98.38	241.26	86.08	39.87	42.8
6912	98.36	50.84	14.35	193.82	64.3
1258	98.36	189.8	37.24	48.72	29.59
3831	98.36	125.11	29.46	34.11	24.01
2005	98.25	80.77	17.62	20.25	12.86
22903	98.2	229.99	38.61	114.18	35.46
1514	98.17	178.75	53.8	53.28	21.7
293	98.17	49.95	18.77	236.23	84.48
1427	98.17	81.09	15.86	28.02	18.51
7064	98.17	1227.38	220.54	331.9	194.28
17255	98.17	57.63	8.67	25.94	11.03
1478	98.14	107.42	31.18	424.29	118.44
9091	98.12	92.08	20.19	23.48	18.72
17502	98.09	279.3	80.84	82.71	49
17157	98.09	93.99	30.18	23.15	16.29
20243	98.09	141.12	18.84	64.38	21.5
24596	98.09	240.62	75.28	76.98	42.84
926	98.06	121.88	35.15	36	21.77
3775	98.06	154.21	46.43	69.04	27
2577	98.04	165.3	12.28	78.03	31.39
20755	98.04	368.9	158.2	54.73	60.37
10503	97.98	214.07	71.53	581.16	127.62
7427	97.98	156.76	45.44	32.3	29.89
13974	97.98	832.49	311.33	226.92	122.72
1479	97.98	73.5	22.42	297.09	94.57
1501	97.96	1643.15	550.04	498.03	240.13
16164	97.96	1010.45	60.66	688.86	284.77
10504	97.96	365.02	93.93	954.97	259.72
17145	97.9	416.32	142.66	1095.63	285.54
20843	97.9	223.81	11.93	116.14	46.18
20872	97.88	1365.47	196.04	762.45	261.25
1382	97.85	105.2	22.24	37.68	14.71
3900	97.85	198.53	77.61	50.2	28.06
25747	97.85	1821.76	709.75	420.97	214.57
4314	97.8	165.23	42.68	455.99	117.03
24811	97.77	300.09	158.01	1508.75	452.88
11454	97.77	310.32	74.93	109.38	56.59
25591	97.77	93.41	26.33	29.71	16.8
16950	97.75	127.28	13.45	50.76	28.32
15700	97.72	111.11	52.17	449.78	122.69
17284	97.72	59.67	19.41	184.78	54.49
17562	97.72	1006.01	174.28	350.43	170.31
21981	97.72	493.33	102.15	1017.07	222.52
457	97.69	367.87	54.5	163.1	64.56
22843	97.69	732	64.09	404.62	116.6
162	97.69	191.46	76.86	53.78	29.44



TABLE 5VV: THIOACETAMIDE					
Timepoint(s): 24, 48 hrs					
GLC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1809	97.67	677.84	457.09	133.38	741.34
24886	97.64	1945.91	243.11	1194.71	293.98
23309	97.64	123.27	27.22	44.34	20.28
17727	97.64	66.47	21.69	26.14	9.81

TABLE 5WW: THIOACETAMIDE					
Timepoint(s): 6 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14033	99.21	657.5	45.17	340.83	96.71
17653	99.21	184.86	14.68	61.06	28.41
23711	98.94	725.5	141.34	182.48	278.34
5697	98.94	408.44	41.69	154.97	66.96
7913	98.89	430.86	36.33	165.15	71.3
19992	98.86	1063.44	29.45	622.08	218.35
13686	98.86	131.19	18.26	43.75	16.88
12210	98.76	1207.31	226.89	317.64	175.58
402	98.76	2738.68	219.57	1203.66	413.33
3302	98.73	555.73	33.15	260.67	89.07
6919	98.73	2443.06	403.63	340.51	279.53
17172	98.7	318.24	16.8	204.88	39.61
23478	98.7	85.85	3.84	37.64	20.59
6295	98.65	3057.72	331.89	1088.56	429.31
1410	98.65	146.5	8.13	27.22	42.13
22175	98.6	327.26	59.09	77.47	55.13
8715	98.6	4062.32	342.15	1559.9	641.28
2060	98.6	137.82	6.76	62.58	24.74
4067	98.54	282.16	15.48	176.71	122.38
20744	98.52	1548.32	105.8	346.04	299.28
23750	98.49	97.94	3.2	47.02	28.62
19994	98.44	302.28	18.1	164.03	76.03
957	98.38	157.56	4.21	95.44	47.14
20350	98.33	403.71	17.74	236.11	65.24
11728	98.33	712.9	33.05	194.94	226.91
22906	98.33	2347.54	257.33	558.52	418.61
18322	98.31	376.94	26.51	121.96	187.04
17529	98.2	143.91	0.7	136.78	40.63
3152	98.17	184.67	64.82	47.09	27.21
18597	98.17	337.73	10.53	605.84	200.75
24321	98.15	484.02	15.29	801.22	261.81
20426	98.12	125.32	3.41	74.1	29.77
22282	98.07	54.4	1.69	94.36	29.71
5493	98.04	104.11	5.25	54.28	64.2
5989	98.04	337	12.1	208.51	64.75
575	98.04	1778.97	102.98	903.5	308.08
1921	97.99	623.54	39.08	214.75	167.5
2193	97.93	87.12	5.48	42.51	29.58
23541	97.91	226.55	16.9	84.28	68.97
17740	97.88	2637.74	34.48	2197.29	958.37
5496	97.88	887.74	51.96	491.86	154.79
18172	97.85	185.36	57.51	43.84	39.4
3346	97.83	63.47	3.27	28.75	28.16
25934	97.8	67.64	2.96	38.72	17.94
13920	97.8	109.15	3.09	67.33	23.82
7975	97.75	563.04	49.8	364.99	71.85
10176	97.64	310.81	6.2	441.18	99
949	97.62	307.72	40.89	110.91	58.36
23606	97.62	1111.88	158.29	405.22	222.56
172	97.59	81.43	10.88	28.49	22.11
173	97.48	272.67	14.77	111.97	80.97

TABLE 5WW: THIOACETAMIDE			Attorney Docket 44921-5058-01-WO		
Timepoint(s): 6 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
19143	97.48	835.62	74.9	457.19	141.76
2261	97.46	96.06	15.71	32.65	21.47
18727	97.46	1451.99	42.38	762.41	382.24
24166	97.46	496.34	5.85	374.73	102.01
18301	97.46	466.85	88.21	147.28	93.63
3925	97.46	457.08	9.64	817.58	303.37
2825	97.43	77.42	2.35	43.84	32.85
18302	97.43	721.15	177.54	145.87	135.6
17844	97.4	271.49	9.18	182.97	93.69
6698	97.38	74.93	3.59	48.72	14.81
21856	97.35	21.23	6.23	92.03	48.03
6297	97.35	388.09	52.22	215.96	59.88
6927	97.33	707.5	66.6	399.23	121.27
10369	97.3	307.41	25.82	175.12	59.36
21708	97.27	118.43	4.79	62.22	28.41
5952	97.25	303.32	45.57	106.72	106.58
4674	97.25	127.41	50.69	550.43	207.09
1440	97.25	87.43	3.87	49.47	21.5
25467	97.25	573.12	11.17	366.83	173.81
347	97.17	43.49	1.63	25.09	15.28
3526	97.17	103.07	7.02	170.13	45.01
23268	97.17	148.43	4.87	231.59	65.24
25066	97.14	281.73	16.19	158.83	65.39
23305	97.14	188.34	17.21	91.84	45.85
15267	97.14	80.97	7.26	38.37	16.47
16025	97.11	111.36	15.79	49.55	25.83
13009	97.06	236.49	40.71	118.74	45.99
23273	97.06	236.23	21.37	143.44	45.43
18303	97.06	3010.9	700.83	843.77	661.03
21467	97.06	2398.88	33.26	1604.12	770.42
16769	97.03	225.38	8.31	125.56	62.1
13282	97.03	303.53	3.16	224.72	78.2
24722	97.01	507.33	27.79	823.73	217.06
3114	96.98	96.51	5.93	57.04	28.69
13678	96.98	82	5.95	34.39	23.32
2486	96.98	322.56	8.42	519.36	165.18
9029	96.9	261.18	4.55	379.94	189.57
15644	96.88	2072.1	206.07	1368.64	388.7
10053	96.88	119.32	25.76	37.53	29.92
1877	96.85	390.68	29.09	696.8	186.01
23272	96.85	568.08	34.76	356.77	89.85
9775	96.82	415.24	84.96	129.82	108.28
4063	96.82	317.93	43.41	80.5	101.28
7961	96.77	48.48	3.88	22.74	14.19
20649	96.77	2616.76	245.94	1501.89	429.3
18343	96.77	274.86	3.44	226.41	52.47
5138	96.77	82.11	3.48	135.56	52.22
2569	96.77	443.32	42.77	908.74	290.05
25087	96.74	234.24	17.89	98.66	75.52
15679	96.74	332.61	37.51	162.36	66.6
1264	96.72	4840.33	136.28	4274.31	3339.21

TABLE 5WW: THIOACETAMIDE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935823.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23166	96.72	248.02	7.48	176.15	68.62
21152	96.72	4311.6	122.74	3592.28	2478.11
21729	96.69	838.77	17.53	645.24	336.16
6055	96.66	1582.19	101.2	1088.08	232.03
1552	96.58	872.01	28.99	584.3	214.07
1899	96.53	141.52	13.79	52.94	36.07
19161	96.48	1286.6	11.72	1370.55	354.22
16024	96.48	166.11	17.66	94.98	31.82
15642	96.45	510.86	31.54	376.27	160.6
5497	96.4	1004.23	60.06	641.58	187.94
10660	96.37	48.34	3.3	31.03	16.56
25475	96.37	800.05	64.81	437.68	160.96
5619	96.27	908.34	71.01	429.63	223.18
1146	96.24	40.39	5.42	21.23	14.04
5492	96.21	90.7	14.68	36.26	63.06
17549	96.19	642.18	5.22	656.62	147.71
179	96.13	293.05	58.05	144.24	47.56
2434	96.13	50.76	2.45	30.43	12.92
20998	96.11	1137.43	12	1247.1	337.46
16125	96.08	33.41	7.15	93.97	39.37
20741	96.05	64.24	8.85	22.08	30.26
1869	96.05	1449.62	19.15	1265.87	351.34
15840	95.92	77.13	17.71	33.84	16.01
25607	95.92	440.87	149.91	100.34	123.47
21707	95.87	89.47	11.87	41.19	52.85
20784	95.87	338.56	5.45	391.6	143.84
24161	95.79	286.36	15.21	460.38	124.58
15677	95.76	455.72	78.28	242.76	121.7
1439	95.71	188.19	5.6	133.71	39.78
5050	95.66	66.35	2.92	48.16	27.96
1920	95.66	880.51	88.13	441.38	270.77
1919	95.55	552.79	73.16	244.58	184.3
15864	95.55	89.92	5.91	160.96	51.32
14595	95.5	180.94	34.32	67.91	82.77
16708	95.47	662.98	64.31	446.82	94.5
15190	95.39	4150.22	342.24	1836.02	1715.16
22823	95.39	322.64	7.29	426.99	112.39
3202	95.31	353.34	33.1	231.77	103.74
6598	95.29	342.94	23.52	183.34	85.07
18290	95.29	49.85	11.27	21.26	21.72
11314	95.29	166.31	22.46	98.91	30.76
17337	95.21	48.66	2.17	38.01	65.95
14606	95.21	54.87	2.01	41.73	19.48
5545	95.18	1594.11	22.96	1489.58	574.68
15202	95.15	412.68	16.83	656.22	555.07
23782	95.07	131.48	1.6	123.95	33.42
15489	95.07	53.9	1.48	76.52	23.8
18611	95.07	843.72	26.72	1142.02	541.84
18209	95.05	109.88	3.95	68.77	36.1
13164	94.99	4041.66	216.73	3793.34	2473.05
17742	94.97	2070.82	62.01	2010.62	694.86

TABLE 5WW: THIOACETAMIDE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935823.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15191	94.94	3269.16	461.53	1217.54	1330.78
5232	94.92	139.31	8.96	254.75	89.75
25529	94.89	49.13	8.01	21.73	13.23
12052	94.84	334.46	24.61	211.24	89.04
15613	94.81	503.45	47.38	1181.78	811.56
17379	94.81	276.94	40.14	118.12	70.96
958	94.81	453.27	39.94	299.45	137.37
17613	94.78	387.9	14.41	306.86	126.56
8592	94.78	264.37	9.68	376.87	132.8
8269	94.73	1731.24	296.01	694.46	446.84
25430	94.73	853.41	25.21	619.73	179.59
22862	94.73	166.89	67.9	454.93	165.51
25705	94.7	582.13	11.24	743.76	198.88
11260	94.7	166.95	11.81	96.22	39.99
9424	94.68	1294.97	49.61	1013.46	383.65

TABLE 5XX: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 96 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23698	98.01	864.57	65.18	356.84	407.18
18958	96.87	569.08	66.29	324.63	126.12
17758	96.05	669.19	104.13	362.17	375.48
20715	94.69	946.4	153.83	382.07	430.47
20711	94.67	402.29	88.77	134.67	205.03
12698	94.62	163.34	13.48	76.21	235.64
18742	94.48	550.44	80.52	344.76	188.73
5887	94.46	164.28	47.66	68.45	138.61
14450	94.38	188.2	15.06	102.8	51.9
16721	94.27	408.48	63.51	259.65	73.63
5465	94.22	1185.16	117.95	776.33	205.36
21094	94.14	511.07	89.17	232.22	144.38
22604	93.98	1957.85	349.17	1027.72	469.57
14937	93.74	195.36	28.59	119.35	36.98
18637	93.66	1062.08	136.08	2019.61	623.11
16768	93.61	708.87	45.34	494.16	162.55
12829	93.37	535.03	45.99	379.35	90.31
17289	93.34	223.5	29.48	124.16	77.25
26109	93.32	478.76	128.18	146.1	264.1
19613	93.24	2484.11	155.65	1860.71	485.38
24372	93.21	220.5	21.54	140.4	43.76
14887	93.16	101.8	8.43	294.94	248.64
18687	93.08	1073.99	196.89	660.51	590.16
14191	93.08	116.01	14.38	68.03	26.34
18686	93.05	1263.89	201.14	706.02	613.73
19433	92.79	231.66	53.54	107.01	119.22
6345	92.76	351.14	46.93	230.34	62.46
25412	92.73	29.28	7.08	68.98	31.68
9192	92.6	808.14	104.63	1627.81	666.43
2140	92.57	163.54	17.96	92.56	59.3
18780	92.44	87.19	4.42	62.98	25.42
5316	92.36	140.52	56.6	342.33	116.25
3362	92.15	39.32	11.72	91.85	36.85
12964	92.12	388.64	33.77	236.19	94.18
18636	92.07	1077.28	301.99	2662.77	1037.67
17992	92.07	144.02	35.41	77.48	53.64
20846	91.99	1508.64	204.46	2740.07	862.43
15637	91.99	112.28	17.02	74.85	25.76
21842	91.96	724.51	39.31	562.74	295.62
6107	91.94	141.47	25.19	92.73	56.32
10157	91.86	914.83	66.38	644.19	210.59
16767	91.86	866.2	77.34	604.77	198.12
17107	91.83	1219.63	250.98	2469.03	845.35
21773	91.75	120.06	7.34	91.08	45.87
6502	91.75	551.97	21.82	459.49	122.37
15849	91.59	278.55	37.16	181.8	121.4
4196	91.59	148.41	21.26	86.16	93.88
25204	91.51	815.06	116.69	529.94	172.12
1689	91.49	1533.21	844.23	4872.17	2250.97
9767	91.46	20.12	1.96	34.7	21.52
16420	91.43	702.05	35.62	557.06	113.3

TABLE 5XX: VALPROATE					
Timepoint(s): 24, 96 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12407	91.38	92.94	8.53	33.14	62.02
24094	91.33	1161.19	95.45	893.26	165.34
2220	91.3	21.85	16.64	93.24	44.49
22542	91.22	1210.34	316.06	3415.02	1417.06
13647	91.22	1285.75	86.85	1021.37	339.25
4956	91.17	145.82	8.43	128.28	73.69
368	91.17	52.04	9.44	29.77	33.47
21156	91.17	1398.49	277.03	5101.55	2988.09
3534	91.14	115.08	4.62	147.25	58.63
7502	91.11	572.44	169.15	292.86	183.92
18638	91.03	1417.12	287.44	2730.97	848.83
19649	91.03	124.41	12	84.3	25.26
4914	91.03	710.48	74.36	479.7	151.09
17256	90.98	758.5	41.74	533.6	181.14
15172	90.95	130.63	57.41	355.29	216.33
9307	90.93	1856.33	421.49	6268.95	3322.8
2671	90.88	166.52	17.03	116.46	44.16
1949	90.82	93.2	7.38	63.26	32.26
21941	90.8	540.12	16.29	461.77	110.52
19720	90.8	1016.28	250.22	3549.5	1897.3
18612	90.74	117.59	5.93	101.76	38.81
17240	90.72	1591.23	264.31	3690.66	1526.24
17941	90.72	1705.16	340.78	3541.35	1239.21
11623	90.69	1585.18	420.93	3572.83	1414.16
14459	90.64	1664.5	333.83	4372.25	2008.92
25725	90.64	201.61	18.87	142.54	63.66
19358	90.56	335.41	234.58	1034.34	444.03
7460	90.56	1447.28	503.16	8376.31	5711.12
17809	90.5	63.61	6.35	43.17	20.4
8285	90.48	65.26	2.84	64.85	30.14
16175	90.42	1734.36	450.11	3006.78	797.96
17654	90.4	527.63	37.95	357.17	165.34
5712	90.4	57.55	9.67	117.5	53.07
15107	90.4	685.72	260.22	3951.42	2643.29
11213	90.37	1104.28	35.89	1088.32	262.5
12729	90.34	76.66	12.1	29.95	88.53
16718	90.34	484.99	118.18	1026.56	426.88
22379	90.34	251.56	47.06	472.98	216.64
9597	90.32	769.59	317.08	2903.6	1782.33
24162	90.32	1035.37	45.75	1215.11	343.73
6455	90.24	1919.19	323.32	3670.12	1300.74
21242	90.24	590.38	79.78	388.78	129.01
6277	90.13	469.67	25.49	382.45	89.67
8213	90.05	1605.76	284.59	3449.73	1392.56
20823	90.03	2271.06	461.65	4078.81	1322.22
1301	90	710.94	159.69	1379.87	963.99
15638	89.97	70.36	11.43	37.54	26.17
18936	89.92	965.06	136.66	1618.56	474.65
6329	89.92	1498.01	311.83	4964.46	2759.61
15408	89.87	496.5	105.27	291.8	164.86
18457	89.76	240.8	32.56	153.91	54.94

TABLE 5XX: VALPROATE					
Timepoint(s): 24, 96 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935823.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18628	89.6	907.41	117.56	1450.82	395.72
7637	89.51	73.34	27.64	29.36	14.81
18630	89.5	43.93	7.32	28.84	19.07
20724	89.42	129.06	13.73	84.89	33.2
1391	89.36	137.56	11.95	97.71	30.33
9124	89.34	485.07	50.76	377	101.38
6653	89.28	830.4	93.61	600.19	144.19
14504	89.23	193.86	27.28	143.51	178.6
15340	89.06	69.9	15.13	41.14	10.49
13480	88.97	943.91	57.53	727.01	183.71
31	88.97	491.78	51.48	336.52	102.2
6912	88.91	287.28	41.05	192.94	64.6
1877	88.91	915.58	61.13	695.34	186.18
18957	88.67	669.41	87.85	370.05	148.77
1728	88.65	319.76	41.83	250.03	114.42
15462	88.65	688.54	39.2	544.83	120.31
17290	88.61	342.44	109.85	176.04	95.2
2830	88.53	480.81	74.77	302.61	68.84
15980	88.51	87.93	7.82	63.44	23.3
1542	88.51	333.53	54.06	227.68	86.93
25644	88.49	526.27	60.01	339.06	180.51
853	88.41	826.1	151.31	454.81	238.58
17787	88.36	635.52	51.97	1566.79	1003.66
17284	88.2	252.62	24.41	184.06	54.85
107	88.19	326.08	81.64	129.2	72
17237	88.19	384.32	80.65	229.17	60.98
9929	88.06	844.74	76.52	671.49	182.55
21424	88.04	660.38	72.95	492.38	123.46
14953	87.98	488.75	46.12	387.24	80.16
3549	87.93	275.64	34.39	201.23	82.02
15621	87.76	566.49	83.33	369.32	89.2
14881	87.75	1044.64	138.55	1704.91	636.28
40	87.69	510.83	67.57	362.72	186.44
16780	87.47	505.81	68.58	309.18	111.74
17571	87.37	292.38	39.42	228.41	57.78
25468	87.35	801.88	493.93	2330.1	1100.94
2480	87.32	312.02	28.4	234.99	74.25
20714	87.29	834.07	204.49	567.74	703.63
4449	87.24	331.63	39.44	238.4	93.3
20776	87.24	44.07	5.91	29.47	12.54
20481	87.23	175.64	48.93	96.78	34.85
20057	87.18	268.06	63.12	139.68	54.54
14882	87.08	849.4	143.25	1301.88	416.62
64	87.07	241.43	61.1	134.1	43.68
23203	87.05	185.72	51.14	102.53	42.82
9125	87	672.86	23.21	636.51	138.72
2831	86.94	406.28	112.72	249.86	81.54
25469	86.84	623.21	308.3	1632.67	752.14
317	86.71	30.87	3.51	44	20.66
4573	86.63	991.46	117.12	1270.18	234.31
1695	86.5	20.99	9.06	58.33	36.53



TABLE 5XX: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 96 hrs			Document No. 1935323.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24707	86.39	858.13	96.24	1262.15	456.36
12118	86.39	128.64	30.31	270.14	191.82
16227	86.37	92.61	7.47	124.84	65.08
20133	86.34	58.33	2.78	53.93	35.7
1058	86.31	293.74	39.68	231.15	142.22
16895	86.29	981.29	178.8	1714.67	560.79
17161	86.21	921.52	109.1	787.54	372.15
670	86.21	912.89	115.96	1208.83	267.82
11353	86.2	139.69	41.19	92.3	33.81
9841	86.18	1573.12	179.4	2171.05	563.5
4360	86.05	126.15	41.6	264.82	128.89
21078	86.02	893.7	55.83	737.66	215.48
12496	85.92	108.37	13.93	76.33	29.99
17187	85.91	59.95	13.03	31.54	17.07
4392	85.86	1356.7	232.83	2202.58	661.19
1359	85.85	194.12	42.29	122.69	33.72
746	85.84	31.64	12.59	125.53	81.76

TABLE 5YY: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 96 hrs			Document No. 1935328.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17758	96.05	669.19	104.13	362.17	375.48
16721	94.27	408.48	63.51	259.65	73.63
12829	93.37	535.03	45.99	379.35	90.31
26109	93.32	478.76	128.18	146.1	264.1
18687	93.08	1073.99	196.89	660.51	590.16
18686	93.05	1263.89	201.14	706.02	613.73
19433	92.79	231.66	53.54	107.01	119.22
6345	92.76	351.14	46.93	230.34	62.46
9192	92.6	808.14	104.63	1627.81	666.43
5316	92.36	140.52	56.6	342.33	116.25
12964	92.12	388.64	33.77	236.19	94.18
17992	92.07	144.02	35.41	77.48	53.64
18636	92.07	1077.28	301.99	2662.77	1037.67
20846	91.99	1508.64	204.46	2740.07	862.43
6107	91.94	141.47	25.19	92.73	56.32
16767	91.86	866.2	77.34	604.77	198.12
10157	91.86	914.83	66.38	644.19	210.59
17107	91.83	1219.63	250.98	2469.03	845.35
15849	91.59	278.55	37.16	181.8	121.4
1689	91.49	1533.21	844.23	4872.17	2250.97
9767	91.46	20.12	1.96	34.7	21.52
2220	91.3	21.85	16.64	93.24	44.49
13647	91.22	1285.75	86.85	1021.37	339.25
22542	91.22	1210.34	316.06	3415.02	1417.06
21156	91.17	1398.49	277.03	5101.55	2988.09
368	91.17	52.04	9.44	29.77	33.47
4956	91.17	145.82	8.43	128.28	73.69
3534	91.14	115.08	4.62	147.25	58.63
19649	91.03	124.41	12	84.3	25.26
18638	91.03	1417.12	287.44	2730.97	848.83
15172	90.95	130.63	57.41	355.29	216.33
9307	90.93	1856.33	421.49	6268.95	3322.8
2671	90.88	166.52	17.03	116.46	44.16
1949	90.82	93.2	7.38	63.26	32.26
19720	90.8	1016.28	250.22	3549.5	1897.3
18612	90.74	117.59	5.93	101.76	38.81
17941	90.72	1705.16	340.78	3541.35	1239.21
17240	90.72	1591.23	264.31	3690.66	1526.24
11623	90.69	1585.18	420.93	3572.83	1414.16
14459	90.64	1664.5	333.83	4372.25	2008.92
7460	90.56	1447.28	503.16	8376.31	5711.12
19358	90.56	335.41	234.58	1034.34	444.03
17809	90.5	63.61	6.35	43.17	20.4
16175	90.42	1734.36	450.11	3006.78	797.96
15107	90.4	685.72	260.22	3951.42	2643.29
5712	90.4	57.55	9.67	117.5	53.07
16718	90.34	484.99	118.18	1026.56	426.88
24162	90.32	1035.37	45.75	1215.11	343.73
9597	90.32	769.59	317.08	2903.6	1782.33
21242	90.24	590.38	79.78	388.78	129.01
6455	90.24	1919.19	323.32	3670.12	1300.74

TABLE 5YY: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 96 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
8213	90.05	1605.76	284.59	3449.73	1392.56
20823	90.03	2271.06	461.65	4078.81	1322.22
15638	89.97	70.36	11.43	37.54	26.17
6329	89.92	1498.01	311.83	4964.46	2759.61
18936	89.92	965.06	136.66	1618.56	474.65
15408	89.87	496.5	105.27	291.8	164.86
19384	89.81	1231.64	185.84	2639.3	1353.84
576	89.81	1989.75	480.88	5070.57	2322.75
14042	89.76	1447.11	488.97	8030.24	5338.27
18457	89.76	240.8	32.56	153.91	54.94
3476	89.76	79.91	18.88	28.04	43.14
17391	89.76	2008.07	337.17	2374.79	1766.76
14561	89.68	124.89	11.69	181.53	57.96
19884	89.66	2138.86	333.83	5272.04	2646.9
13296	89.6	144.15	16.97	94.75	54.33
18628	89.6	907.41	117.56	1450.82	395.72
19427	89.55	1358.77	206.78	3992.97	2472.28
5954	89.55	2109.39	395.87	3641.67	1154.01
16915	89.55	1933.65	374.05	5652.26	3070.22
7637	89.51	73.34	27.64	29.36	14.81
18630	89.5	43.93	7.32	28.84	19.07
230	89.47	1634.63	359.74	3128.37	1037.43
2103	89.44	1292.91	346.45	2439.52	1122.41
20724	89.42	129.06	13.73	84.89	33.2
14540	89.42	502.81	142.08	1231.83	485.31
19827	89.39	770	213.42	1855.83	785.06
1391	89.36	137.56	11.95	97.71	30.33
11190	89.36	271.67	12.89	236.6	83.37
6001	89.36	203.57	15.3	187.49	99.46
9124	89.34	485.07	50.76	377	101.38
12426	89.33	188.17	106.67	25.52	58.19
4271	89.33	313.16	92.08	59.04	134.42
17144	89.28	1486.63	273.26	4746.29	2999.63
6653	89.28	830.4	93.61	600.19	144.19
14504	89.23	193.86	27.28	143.51	178.6
11585	89.23	229.71	29.55	368.66	109.19
18905	89.2	840.58	134.95	1259.96	289.72
18765	89.15	1805.18	366.77	2858.43	864.44
9735	89.15	184.31	7.42	170.61	55.8
18002	89.15	1522.4	140.08	2314.39	800.74
1807	89.1	1778.27	388.13	4614.36	2631.62
15340	89.06	69.9	15.13	41.14	10.49
22828	89.05	53.75	13.31	22.37	34.14
16656	89.02	210.26	41.9	345.35	95.64
21224	89.02	251.69	23.29	184.47	52.29
7214	89.02	150.91	10.31	121.88	62.76
31	88.97	491.78	51.48	336.52	102.2
13480	88.97	943.91	57.53	727.01	183.71
6912	88.91	287.28	41.05	192.94	64.6
1877	88.91	915.58	61.13	695.34	186.18
2056	88.91	55.51	5.67	32.79	23.14

TABLE 5YY: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 96 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18957	88.67	669.41	87.85	370.05	148.77
1728	88.65	319.76	41.83	250.03	114.42
15462	88.65	688.54	39.2	544.83	120.31
17290	88.61	342.44	109.85	176.04	95.2
2830	88.53	480.81	74.77	302.61	68.84
15980	88.51	87.93	7.82	63.44	23.3
1542	88.51	333.53	54.06	227.68	86.93
25644	88.49	526.27	60.01	339.06	180.51
853	88.41	826.1	151.31	454.81	238.58
17787	88.36	635.52	51.97	1566.79	1003.66
17284	88.2	252.62	24.41	184.06	54.85
107	88.19	326.08	81.64	129.2	72
17237	88.19	384.32	80.65	229.17	60.98
9929	88.06	844.74	76.52	671.49	182.55
21424	88.04	660.38	72.95	492.38	123.46
14953	87.98	488.75	46.12	387.24	80.16
3549	87.93	275.64	34.39	201.23	82.02
15621	87.76	566.49	83.33	369.32	89.2
14881	87.75	1044.64	138.55	1704.91	636.28
40	87.69	510.83	67.57	362.72	186.44
16780	87.47	505.81	68.58	309.18	111.74
17571	87.37	292.38	39.42	228.41	57.78
25468	87.35	801.88	493.93	2330.1	1100.94
2480	87.32	312.02	28.4	234.99	74.25
20714	87.29	834.07	204.49	567.74	703.63
4449	87.24	331.63	39.44	238.4	93.3
20776	87.24	44.07	5.91	29.47	12.54
20481	87.23	175.64	48.93	96.78	34.85
20057	87.18	268.06	63.12	139.68	54.54
14882	87.08	849.4	143.25	1301.88	416.62
64	87.07	241.43	61.1	134.1	43.68
23203	87.05	185.72	51.14	102.53	42.82
9125	87	672.86	23.21	636.51	138.72
2831	86.94	406.28	112.72	249.86	81.54
25469	86.84	623.21	308.3	1632.67	752.14
317	86.71	30.87	3.51	44	20.66
4573	86.63	991.46	117.12	1270.18	234.31
1695	86.5	20.99	9.06	58.33	36.53
24707	86.39	858.13	96.24	1262.15	456.36
12118	86.39	128.64	30.31	270.14	191.82
16227	86.37	92.61	7.47	124.84	65.08
20133	86.34	58.33	2.78	53.93	35.7
1058	86.31	293.74	39.68	231.15	142.22
16895	86.29	981.29	178.8	1714.67	560.79
17161	86.21	921.52	109.1	787.54	372.15
670	86.21	912.89	115.96	1208.83	267.82
11353	86.2	139.69	41.19	92.3	33.81
9841	86.18	1573.12	179.4	2171.05	563.5
4360	86.05	126.15	41.6	264.82	128.89
21078	86.02	893.7	55.83	737.66	215.48
12496	85.92	108.37	13.93	76.33	29.99

-1050-

TABLE 5YY: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 96 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17187	85.91	59.95	13.03	31.54	17.07
4392	85.86	1356.7	232.83	2202.58	661.19
1359	85.85	194.12	42.29	122.69	33.72
17807	85.84	1121.63	212.64	2051.02	728.09
746	85.84	31.64	12.59	125.53	81.76
20762	85.8	108.41	21.89	71.3	19.6
172	85.78	28.91	3.05	28.6	22.27
16535	85.73	783.21	62.31	1179.13	436.73
5749	85.62	272.46	36.76	197.2	85.52
17757	85.59	123.09	26.53	69.35	27.49
12299	85.57	818.25	125.16	1162.99	301.27
20597	85.54	1074.36	211.93	1853.72	668.77
16131	85.49	1490.04	139.8	2034.25	935.42
17516	85.46	374.19	74.96	249.72	78.9
17306	85.44	1187.09	358.14	2604.43	1272.93
10623	85.41	680.84	84.92	1105.32	503.99
25024	85.36	898.49	145.44	1409.02	555.09
10622	85.33	926.52	116.8	1557.32	699.47
8212	85.33	1180.62	164.64	1984.01	731.18

TABLE 5ZZ: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935828.1		
GLC#					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23262	99.87	159.96	10.77	47.61	16.47
15886	99.81	411.58	7.61	207.21	58.54
12228	99.76	351.58	43.32	81.87	56.7
19120	99.74	97.16	4.58	22.46	16.56
19655	99.68	211.96	11.1	81.02	32.38
17953	99.63	354.46	11.66	157.25	45.88
7051	99.6	124.41	23.53	37.62	14.55
8709	99.6	77.41	20.48	272.97	70.72
8321	99.58	458.46	50.15	155.46	50.59
26099	99.58	236.18	48.08	65.78	23.75
17332	99.58	130.86	11.74	50.81	26.51
7947	99.58	207.62	23.69	80.48	35.91
13949	99.58	40.01	5.76	162.56	50.63
5652	99.52	106.78	19.76	281.58	73.2
15713	99.52	110.44	15.62	42.46	23.13
3465	99.52	143.57	15.46	49.14	23.07
9800	99.52	317.62	13.39	97.1	61.97
22901	99.5	241.2	46.46	64.58	17.22
17778	99.47	199.26	33.86	74.87	51.83
21810	99.47	147.37	14.16	53.35	19.43
15515	99.44	213.97	19.3	456.58	82.77
6861	99.42	344.93	34.39	170.07	37.46
4544	99.42	127.46	11.71	49.35	17.58
11384	99.42	81.04	8.11	29.42	10.66
16026	99.36	335.99	91.87	63.55	25.22
2107	99.36	324.02	67.87	95.61	43.07
2108	99.36	336.51	41.51	127.48	48.12
23824	99.34	210.41	16.64	118.99	35.7
24368	99.34	528.11	68.97	166.8	68.59
5052	99.34	794.36	72.73	2114.44	590.03
14275	99.28	302.31	61.12	113.48	24.81
11527	99.28	160.41	6.29	59.07	42.52
23557	99.28	185.79	19.06	61.77	30.07
602	99.28	99.91	22.88	23.71	17.29
22106	99.28	259.48	8.56	146.46	39.4
4467	99.26	166.52	20.43	56.02	112.2
10593	99.26	285.77	54.75	87.35	41.57
17510	99.26	101.25	8.57	215.92	52.85
9573	99.26	355.74	18.81	169.46	50.77
13838	99.26	378.77	22.17	157.9	44.64
25496	99.18	196.46	19.04	89	39.42
15476	99.18	363.23	24.05	149.16	65.17
5381	99.18	307.86	8.85	184.75	47.04
21952	99.18	120.36	12.3	48.7	17.16
11949	99.18	63.59	7.86	20.25	9.14
6567	99.18	569.39	79.91	177.01	61.27
23081	99.15	65.86	11.2	20.78	19.63
15518	99.15	185.46	23.04	84.75	40.44
3847	99.15	88.12	13.12	34.92	19.5
22130	99.15	182.93	32.98	38.03	28.06
13490	99.15	162.27	44.5	569.88	149.75

TABLE 5ZZ: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
7636	99.15	79.72	11.23	24.76	10.96
7042	99.15	170.97	15.16	79.9	25.83
2569	99.15	368.59	10.54	909.19	289.59
17257	99.15	247.01	35.39	40.48	31.69
22518	99.13	114.57	10.37	30.54	46.73
2216	99.13	202.04	22.44	90.48	31.61
18684	99.13	185.78	29.38	66.43	30.14
7683	99.1	775.47	114.33	372.95	78.32
9471	99.1	165.46	28.94	55.26	21.11
10936	99.1	357.93	16.64	188.26	50.93
14766	99.07	226.04	22.61	502.56	123.95
16018	99.07	134.71	31.95	47.58	30.75
15862	99.05	87.77	12.04	24.57	43.23
17782	99.05	358.53	30.03	168.22	67.23
19669	99.05	165.38	28.55	55	23.23
17644	99.02	363.33	49.53	139.25	58.69
2153	99.02	114.29	41.76	27.34	15.47
8808	99.02	85.91	23.6	418.62	111.97
21809	99.02	111.93	21.55	26.02	15.63
17194	98.99	83.25	19.2	22.13	18.11
5921	98.99	215.51	43.51	66.91	30.18
7060	98.97	660.8	111.9	257.81	80.12
2324	98.97	181.75	15	79.72	31.42
17838	98.97	195.55	17.02	101.43	32.58
16024	98.97	346.79	125.88	94.46	28.67
3332	98.97	239.5	50.79	77.63	40.92
6686	98.97	321.08	39.21	133.95	38.42
2791	98.94	84.63	13.81	197.38	60.31
8966	98.94	413.62	47.42	190.54	62.34
4333	98.94	112.03	6.38	55.18	17.85
14357	98.94	176.3	34.12	66.77	30.48
11982	98.89	403.79	34.77	185.59	56.27
15179	98.86	221.74	31.93	99.82	35.51
2898	98.86	234.55	69.9	38.77	32.27
10394	98.86	223.94	54.68	44.28	38.41
16071	98.86	217.29	30.2	78.18	45.01
20904	98.83	409.23	35.29	219.64	102.15
15888	98.83	447.56	72.86	166.15	140.27
10666	98.83	277.17	34.87	570.71	119.24
17258	98.83	272.32	41.83	105.04	31.48
17181	98.81	82.77	13.75	28.5	12.32
3647	98.81	156.85	32.49	57.73	28.45
14190	98.81	105.02	14.48	34.72	16.22
3971	98.81	129.2	14.83	47.55	21.16
7637	98.81	126.56	26.28	29.26	14.22
5011	98.78	123.8	25.1	49.43	19.65
16025	98.78	282.93	155.41	49.06	21.91
7635	98.78	242.55	27.47	126.64	27.11
18025	98.78	271.79	23.84	122.07	41.26
21064	98.68	210.88	55.32	63.76	23.88
15911	98.68	302.58	34.14	133.94	39.68

TABLE 5ZZ: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935328.1		
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
7595	98.68	141.09	25	60.54	14.66
20724	98.65	209.35	30.18	84.72	32.65
4540	98.65	161.75	46.76	56.36	20.77
22739	98.62	242.24	26.39	107.18	31.43
19749	98.62	90.09	17.56	32.23	14.31
21957	98.6	309.89	9.03	172.48	52.28
15116	98.6	188.3	22.35	86.26	29.52
25495	98.57	176.65	29.34	78.34	33.68
18442	98.54	72.39	19.51	27.16	11.67
17687	98.44	104.25	12.74	39.5	15.52
4414	98.38	139.81	12.39	66.99	22.52
16725	98.38	66.78	10.34	162.23	46.07
20090	98.36	358.17	112.71	108.92	40.16
23220	98.3	197.68	24.82	84.5	29.72
21801	98.3	191.41	25.44	96.64	22.78
21407	98.28	188.48	55.27	50.85	27.48
8597	98.28	175.63	10.05	102.84	33.09
23250	98.28	209.87	12.1	124.75	29.06
1401	98.28	87.71	8.93	43.36	12.81
1843	98.25	98.62	41.23	29.41	16.15
3035	98.25	88.17	44.87	26.67	11.75
3787	98.22	54.75	1.97	28.81	11.11
15857	98.22	179.17	37.78	77.35	19.5
21905	98.17	91.1	11.38	45.92	12.83
15489	98.17	134.19	6.54	76.32	23.64
1481	98.15	129.77	8.15	58.27	29.62
16524	98.15	75.52	19.53	28.02	10.68
21580	98.12	101.77	21.17	40.13	16.38
18400	98.12	146.5	32.63	49.68	24.09
15359	98.09	121.87	15.4	54.81	22.3
15829	98.09	159	59.56	24.75	53.2
11843	98.09	60.93	9.99	30.73	9.99
3865	98.09	111.86	18.72	46.23	19.25
22039	98.09	76.96	4.02	40.3	19.16
19226	98.07	357.6	47.65	186.16	54.68
14295	98.04	93.13	17.27	30.13	23.6
1844	98.01	368.98	81.85	114.47	62.97
4832	97.99	85.2	20.78	35.16	15.85
3253	97.96	286.87	14.72	171.53	52.61
22396	97.96	229.43	65.13	98.81	27.9
22150	97.96	167.27	20.26	82.56	27.96
12028	97.96	66.8	18.03	22.08	10.28
15662	97.93	82.56	9.91	36.56	49.45
19053	97.93	72.78	13.91	28.14	54.44
17688	97.93	145.07	20.59	55.81	29.42
11314	97.93	237.45	55.64	98.69	30
21951	97.93	227	30.63	104.69	33.99
3788	97.93	72.12	6.02	35.71	12.63
1580	97.91	88.88	14.84	24.77	25.2
2192	97.91	140.85	60.48	38.85	20.13
8664	97.85	77.55	10.77	46.67	200.12



-1054-

TABLE 5ZZ: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21491	97.8	170.35	23.28	79.46	23.14
10544	97.8	420.34	40.99	179.2	70.52
17590	97.8	279.39	39.93	105.9	45.96
20899	97.8	181.9	39.69	69.04	23.76
24235	97.77	672.88	64.31	328.94	168.73
20702	97.77	134.07	14.12	49.97	39.93
4495	97.72	140.91	10.51	68.26	26.43

TABLE 5AAA: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23262	99.87	159.96	10.77	47.61	16.47
15886	99.81	411.58	7.61	207.21	58.54
12228	99.76	351.58	43.32	81.87	56.7
19120	99.74	97.16	4.58	22.46	16.56
19655	99.68	211.96	11.1	81.02	32.38
17953	99.63	354.46	11.66	157.25	45.88
7051	99.6	124.41	23.53	37.62	14.55
7947	99.58	207.62	23.69	80.48	35.91
17332	99.58	130.86	11.74	50.81	26.51
26099	99.58	236.18	48.08	65.78	23.75
8321	99.58	458.46	50.15	155.46	50.59
3465	99.52	143.57	15.46	49.14	23.07
15713	99.52	110.44	15.62	42.46	23.13
5652	99.52	106.78	19.76	281.58	73.2
22901	99.5	241.2	46.46	64.58	17.22
21810	99.47	147.37	14.16	53.35	19.43
17778	99.47	199.26	33.86	74.87	51.83
15515	99.44	213.97	19.3	456.58	82.77
11384	99.42	81.04	8.11	29.42	10.66
4544	99.42	127.46	11.71	49.35	17.58
2108	99.36	336.51	41.51	127.48	48.12
2107	99.36	324.02	67.87	95.61	43.07
16026	99.36	335.99	91.87	63.55	25.22
23824	99.34	210.41	16.64	118.99	35.7
22106	99.28	259.48	8.56	146.46	39.4
602	99.28	99.91	22.88	23.71	17.29
23557	99.28	185.79	19.06	61.77	30.07
14275	99.28	302.31	61.12	113.48	24.81
9573	99.26	355.74	18.81	169.46	50.77
17510	99.26	101.25	8.57	215.92	52.85
4467	99.26	166.52	20.43	56.02	112.2
6567	99.18	569.39	79.91	177.01	61.27
11949	99.18	63.59	7.86	20.25	9.14
21952	99.18	120.36	12.3	48.7	17.16
15476	99.18	363.23	24.05	149.16	65.17
25496	99.18	196.46	19.04	89	39.42
7042	99.15	170.97	15.16	79.9	25.83
7636	99.15	79.72	11.23	24.76	10.96
13490	99.15	162.27	44.5	569.88	149.75
22130	99.15	182.93	32.98	38.03	28.06
3847	99.15	88.12	13.12	34.92	19.5
15518	99.15	185.46	23.04	84.75	40.44
23081	99.15	65.86	11.2	20.78	19.63
18684	99.13	185.78	29.38	66.43	30.14
22518	99.13	114.57	10.37	30.54	46.73
10936	99.1	357.93	16.64	188.26	50.93
9471	99.1	165.46	28.94	55.26	21.11
7683	99.1	775.47	114.33	372.95	78.32
16018	99.07	134.71	31.95	47.58	30.75
14766	99.07	226.04	22.61	502.56	123.95
17782	99.05	358.53	30.03	168.22	67.23

-1056-

TABLE 5AAA: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935823.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15862	99.05	87.77	12.04	24.57	43.23
21809	99.02	111.93	21.55	26.02	15.63
8808	99.02	85.91	23.6	418.62	111.97
2153	99.02	114.29	41.76	27.34	15.47
5921	98.99	215.51	43.51	66.91	30.18
17194	98.99	83.25	19.2	22.13	18.11
3332	98.97	239.5	50.79	77.63	40.92
16024	98.97	346.79	125.88	94.46	28.67
17838	98.97	195.55	17.02	101.43	32.58
2324	98.97	181.75	15	79.72	31.42
7060	98.97	660.8	111.9	257.81	80.12
14357	98.94	176.3	34.12	66.77	30.48
4333	98.94	112.03	6.38	55.18	17.85
8966	98.94	413.62	47.42	190.54	62.34
2791	98.94	84.63	13.81	197.38	60.31
11982	98.89	403.79	34.77	185.59	56.27
16071	98.86	217.29	30.2	78.18	45.01
2898	98.86	234.55	69.9	38.77	32.27
17258	98.83	272.32	41.83	105.04	31.48
10666	98.83	277.17	34.87	570.71	119.24
15888	98.83	447.56	72.86	166.15	140.27
20904	98.83	409.23	35.29	219.64	102.15
7637	98.81	126.56	26.28	29.26	14.22
3971	98.81	129.2	14.83	47.55	21.16
14190	98.81	105.02	14.48	34.72	16.22
3647	98.81	156.85	32.49	57.73	28.45
17181	98.81	82.77	13.75	28.5	12.32
18025	98.78	271.79	23.84	122.07	41.26
7635	98.78	242.55	27.47	126.64	27.11
16025	98.78	282.93	155.41	49.06	21.91
5011	98.78	123.8	25.1	49.43	19.65
22311	98.75	491.64	195.86	180.43	66.75
22506	98.75	185.7	18.32	86.49	31.5
3957	98.75	349.72	60.3	116.39	51.53
11256	98.73	201.82	66.16	33.92	32.41
6995	98.7	48.08	7.57	141.26	47.09
17349	98.7	345.04	34.69	801.16	236.59
2341	98.68	449.28	14.45	260.1	78.69
15911	98.68	302.58	34.14	133.94	39.68
21064	98.68	210.88	55.32	63.76	23.88
7595	98.68	141.09	25	60.54	14.66
4540	98.65	161.75	46.76	56.36	20.77
20724	98.65	209.35	30.18	84.72	32.65
22739	98.62	242.24	26.39	107.18	31.43
14033	98.62	633.79	62.81	340.72	96.63
19749	98.62	90.09	17.56	32.23	14.31
21957	98.6	309.89	9.03	172.48	52.28
15116	98.6	188.3	22.35	86.26	29.52
20805	98.6	746.66	122.62	356.59	85.62
25495	98.57	176.65	29.34	78.34	33.68
18442	98.54	72.39	19.51	27.16	11.67

-1057-

TABLE 5AAA: VALPROATE			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 6 hrs			Document No. 1935828.1		
GLC#					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17687	98.44	104.25	12.74	39.5	15.52
4414	98.38	139.81	12.39	66.99	22.52
16725	98.38	66.78	10.34	162.23	46.07
23220	98.3	197.68	24.82	84.5	29.72
21801	98.3	191.41	25.44	96.64	22.78
21407	98.28	188.48	55.27	50.85	27.48
8597	98.28	175.63	10.05	102.84	33.09
23250	98.28	209.87	12.1	124.75	29.06
1401	98.28	87.71	8.93	43.36	12.81
1843	98.25	98.62	41.23	29.41	16.15
3035	98.25	88.17	44.87	26.67	11.75
3787	98.22	54.75	1.97	28.81	11.11
15857	98.22	179.17	37.78	77.35	19.5
21905	98.17	91.1	11.38	45.92	12.83
15489	98.17	134.19	6.54	76.32	23.64
1481	98.15	129.77	8.15	58.27	29.62
16524	98.15	75.52	19.53	28.02	10.68
21580	98.12	101.77	21.17	40.13	16.38
18400	98.12	146.5	32.63	49.68	24.09
15359	98.09	121.87	15.4	54.81	22.3
15829	98.09	159	59.56	24.75	53.2
11843	98.09	60.93	9.99	30.73	9.99
3865	98.09	111.86	18.72	46.23	19.25
22039	98.09	76.96	4.02	40.3	19.16
19226	98.07	357.6	47.65	186.16	54.68
14295	98.04	93.13	17.27	30.13	23.6
1844	98.01	368.98	81.85	114.47	62.97
4832	97.99	85.2	20.78	35.16	15.85
3253	97.96	286.87	14.72	171.53	52.61
22396	97.96	229.43	65.13	98.81	27.9
22150	97.96	167.27	20.26	82.56	27.96
12028	97.96	66.8	18.03	22.08	10.28
15662	97.93	82.56	9.91	36.56	49.45
19053	97.93	72.78	13.91	28.14	54.44
17688	97.93	145.07	20.59	55.81	29.42
11314	97.93	237.45	55.64	98.69	30
21951	97.93	227	30.63	104.69	33.99
3788	97.93	72.12	6.02	35.71	12.63
1580	97.91	88.88	14.84	24.77	25.2
2192	97.91	140.85	60.48	38.85	20.13
8664	97.85	77.55	10.77	46.67	200.12
21491	97.8	170.35	23.28	79.46	23.14
10544	97.8	420.34	40.99	179.2	70.52
17590	97.8	279.39	39.93	105.9	45.96
20899	97.8	181.9	39.69	69.04	23.76
24235	97.77	672.88	64.31	328.94	168.73
20702	97.77	134.07	14.12	49.97	39.93
4495	97.72	140.91	10.51	68.26	26.43
24284	97.69	97.76	25.85	30.52	15.92
21802	97.62	87.66	40.89	27.01	15.05

TABLE 53BB: WY-14643					
Timepoint(s): 24, 168 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22370	99.87	947.8	45.96	264.31	93.61
4271	99.73	1158.9	100.94	54.72	111.84
8177	99.71	111.24	21.57	493.76	296.31
20855	99.63	280.45	92.78	34.91	24.75
4272	99.63	574.5	62.02	31.52	65.6
4196	99.55	955.21	245.5	82.23	70.39
3439	99.52	360.01	42.43	76.56	35.24
9372	99.52	1207.02	88.51	295.61	181.56
397	99.36	340.1	85.84	66.81	33.71
16721	99.31	653.33	70.48	258.32	68.98
18174	99.31	677.01	46.13	319.17	87.57
22416	99.31	1007.69	157.15	142.8	82.97
19302	99.31	266.41	30.54	38.19	35.79
3743	99.26	241.75	55.82	58.29	23.31
18891	99.23	1266.22	224.6	296.7	155.12
26109	99.2	1308.25	149.8	141.78	252.42
3512	99.12	248.19	42.71	110.06	22.54
20851	99.1	416.55	142.8	65.86	71.7
5887	99.07	1009.76	196.15	64.31	121.89
18956	99.07	339.4	100.37	34.13	24.8
6243	99.07	204.28	17.24	65.81	40.64
18318	99.04	438.32	67.58	86.28	60.51
2457	99.04	1146	157.72	248.07	140.41
3513	99.02	293.23	52.73	102.91	28.55
1728	98.94	961.56	158.02	246.88	102.92
20985	98.94	470.16	91.9	135.47	54.95
18083	98.86	677.02	185.81	22.68	55.63
5602	98.86	1343.57	176.78	202.34	197.83
18958	98.78	1050.75	265.09	322.06	115.47
16190	98.78	1533.31	157	754.52	208.5
21164	98.75	975.19	128.27	360.94	160.71
18175	98.75	1011.42	130.09	494.94	114.26
2236	98.75	413.52	40.11	196.93	61.08
4290	98.75	476.02	102.71	61.28	57.22
18742	98.75	1324.99	318.64	340.84	175.47
22603	98.73	774.83	89.57	258.94	105.41
18957	98.73	1202.21	275.43	367.18	137.37
14595	98.73	542.18	128.33	65.88	75.82
1977	98.7	1131.84	134.44	364.61	164.21
18746	98.7	442.03	89.15	67.21	52.95
9268	98.67	408.14	66.88	158.4	59.24
2811	98.62	595.11	111.12	190.01	74.6
12215	98.59	614.69	183.46	136.89	81.54
21822	98.59	626.14	50.33	346.06	80.94
17736	98.57	204.95	48.34	50.21	208.18
17187	98.57	137.99	36.23	31.14	15.34
15601	98.57	651.59	81.95	310.13	78.7
18749	98.57	463.82	198.62	60.9	48.74
20888	98.57	625.56	109.29	161.35	92.29
20711	98.57	863.73	93.56	132.18	199.47
20980	98.54	146.94	20.51	55.64	22.33

TABLE 53BB: WY-14643			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18315	98.51	243.52	47.29	45.75	35.72
18890	98.49	1969.92	295.27	744.33	347.05
18316	98.49	405.88	66.36	72.7	56.05
18747	98.46	897.75	179.11	152.25	112.71
14621	98.43	325.62	38.07	141.88	44.5
19591	98.43	555.75	45.73	252.68	92.76
4940	98.38	618.48	125.38	1612.91	443.53
15175	98.38	521.95	60.64	230.61	64.52
22737	98.38	677.82	194.98	164.81	92.55
18125	98.38	1071.07	78.78	574.13	156.75
22139	98.35	1036.01	79.75	625.02	133.81
14264	98.35	329.47	59.89	89.69	69.09
13507	98.35	218	8.11	364.51	90.06
9373	98.35	402.28	45.23	128.48	69.57
9757	98.33	552.69	80.49	281.51	67.37
16546	98.27	568.23	89.41	190.1	83.52
21354	98.17	2275.68	351.86	416.77	385.66
3860	98.17	1003.64	154	391.78	156.35
1421	98.11	261.75	50.24	138.27	22.59
20859	98.06	107.85	18.05	41.73	20.06
2768	98.06	1259.86	62.68	2066.78	442.44
17353	98.06	375.3	160.54	38.1	49.13
22847	98.01	1801.36	146.24	1147.13	233.04
18319	98.01	245.39	79.76	36.06	32.94
22602	97.98	484.33	93.76	120.28	84.04
22224	97.98	475.42	82.24	145.78	87
3842	97.96	243.92	76.28	67.28	27.92
23336	97.96	143.78	59.25	23.95	22.91
21341	97.85	1857.47	238.55	851.87	295.96
22079	97.8	1865.96	269.83	4856.82	1476.77
19044	97.77	810.85	29.22	524.48	182.33
21010	97.74	1749.82	238.11	671.62	288.26
3260	97.69	495.15	161.17	174.24	83.07
16945	97.66	1109.78	95.07	718.77	139.18
9240	97.64	580.79	53.02	337.17	81.11
7517	97.61	177.3	16.8	90.17	32.22
16836	97.58	132.53	27.9	63.15	16.36
9106	97.58	573.57	48.69	324.11	84.68
17999	97.58	894.56	49.7	1579.27	335.08
16769	97.53	401.78	106.2	124.45	58.94
20388	97.5	332.86	41.62	771.09	281.25
16434	97.5	529.32	68.06	285.72	69.62
20038	97.5	291.17	52.31	67.58	53.18
15015	97.5	367.93	62.14	191.75	51.02
10533	97.48	1061.54	144	511.32	195.08
23427	97.48	746.46	133.49	312.88	111.58
3460	97.4	78.31	12.72	222.99	99.67
17027	97.4	368.6	65.63	1152.81	406.42
20986	97.37	869.32	111.47	335.98	168.01
15833	97.29	481.16	50.39	277.27	67.17
22823	97.19	727.09	57.76	425.33	110.64

TABLE 52BB: WY-14643			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs			Document No. 1935323.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2812	97.08	677.47	145.95	283.77	94.41
17758	96.92	1264.61	336.5	359	370.32
23698	96.89	1127.65	274.58	355.04	404.69
22063	96.87	94.31	28.54	36.56	16.84
20402	96.87	82	11.4	44.66	14.45
17421	96.84	468.41	75.59	258.45	61.13
20597	96.76	689.7	128.09	1856.38	666.01
14882	96.73	681.59	65.31	1303.16	415.6
19590	96.68	129.84	20.81	53.22	28.84
16588	96.65	67.32	9.85	44.02	7.97
20554	96.57	672.88	164.86	261.72	134.69
21109	96.57	62.18	6.61	34.31	11.84
1586	96.55	166.37	23.96	89.49	24.89
1447	96.55	402.67	37	240.42	59.33
17933	96.52	398.65	134.65	127.8	69.48
17934	96.52	503.62	132.26	175.68	88.95
26051	96.52	211.29	52.94	79.3	40.08
20386	96.52	540.48	68.46	253.52	126.65
23340	96.42	279.87	60.1	134.62	38.24
15052	96.34	853.24	52.45	1443.73	494.37
9842	96.34	1061.71	56.99	1605.37	414.18
13005	96.31	448.84	39.13	250.3	86.68
21663	96.28	832.06	65.75	464.8	158.04
24798	96.12	944.05	58.1	569.44	198.06
23300	96.04	527.9	85.34	252.76	96.23
20034	96.02	145.58	25.02	81.93	28.43
15408	95.99	853.57	161.3	289.87	160.54
570	95.91	233.03	28.91	128.85	43.79
4364	95.88	102.18	13.47	53.99	35.1
15851	95.78	565.91	84.09	1405.1	499.67
20998	95.7	556.69	170.4	1250.17	334.35
16323	95.67	322.93	97.68	869.44	371.12
229	95.65	427.19	43.97	681.65	159.06
1228	95.62	193.11	22.49	111.05	29.8
5317	95.43	181.89	215.05	901.47	328.21
20555	95.41	715.43	72.79	338.54	185.99
18038	95.41	467.16	63.12	248.17	89.51
19745	95.38	99.56	25.02	50.76	21.91
18727	95.27	283.25	56.61	766.17	382.6
16768	95.25	944.04	190.49	492.81	159.7
2578	95.25	272.19	47.09	159.57	48.78
16398	95.22	838.24	78.73	526.84	136.93
23625	95.11	160.55	41.09	45.23	48.87
5545	95.11	714.79	72.43	1493.51	572.93
20915	95.03	1313.8	284.04	531.71	362.55
24860	95.03	60.13	40.31	392.12	272.43
17154	95.03	326.26	33.47	187.97	79.13

TABLE 5CCC: WY-14643					
Timepoint(s): 24, 168 hrs					
GLGC					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4196	99.55	955.21	245.5	82.23	70.39
19302	99.31	266.41	30.54	38.19	35.79
18174	99.31	677.01	46.13	319.17	87.57
16721	99.31	653.33	70.48	258.32	68.98
3512	99.12	248.19	42.71	110.06	22.54
20851	99.1	416.55	142.8	65.86	71.7
6243	99.07	204.28	17.24	65.81	40.64
20985	98.94	470.16	91.9	135.47	54.95
18958	98.78	1050.75	265.09	322.06	115.47
2236	98.75	413.52	40.11	196.93	61.08
18175	98.75	1011.42	130.09	494.94	114.26
18957	98.73	1202.21	275.43	367.18	137.37
22603	98.73	774.83	89.57	258.94	105.41
1977	98.7	1131.84	134.44	364.61	164.21
9268	98.67	408.14	66.88	158.4	59.24
2811	98.62	595.11	111.12	190.01	74.6
21822	98.59	626.14	50.33	346.06	80.94
20711	98.57	863.73	93.56	132.18	199.47
20888	98.57	625.56	109.29	161.35	92.29
15601	98.57	651.59	81.95	310.13	78.7
17187	98.57	137.99	36.23	31.14	15.34
17736	98.57	204.95	48.34	50.21	208.18
20980	98.54	146.94	20.51	55.64	22.33
18315	98.51	243.52	47.29	45.75	35.72
18316	98.49	405.88	66.36	72.7	56.05
14621	98.43	325.62	38.07	141.88	44.5
15175	98.38	521.95	60.64	230.61	64.52
13507	98.35	218	8.11	364.51	90.06
22139	98.35	1036.01	79.75	625.02	133.81
9757	98.33	552.69	80.49	281.51	67.37
16546	98.27	568.23	89.41	190.1	83.52
3860	98.17	1003.64	154	391.78	156.35
1421	98.11	261.75	50.24	138.27	22.59
17353	98.06	375.3	160.54	38.1	49.13
2768	98.06	1259.86	62.68	2066.78	442.44
20859	98.06	107.85	18.05	41.73	20.06
18319	98.01	245.39	79.76	36.06	32.94
22847	98.01	1801.36	146.24	1147.13	233.04
22602	97.98	484.33	93.76	120.28	84.04
23336	97.96	143.78	59.25	23.95	22.91
3842	97.96	243.92	76.28	67.28	27.92
22079	97.8	1865.96	269.83	4856.82	1476.77
9240	97.64	580.79	53.02	337.17	81.11
17999	97.58	894.56	49.7	1579.27	335.08
9106	97.58	573.57	48.69	324.11	84.68
16836	97.58	132.53	27.9	63.15	16.36
16769	97.53	401.78	106.2	124.45	58.94
16434	97.5	529.32	68.06	285.72	69.62
20388	97.5	332.86	41.62	771.09	281.25
23427	97.48	746.46	133.49	312.88	111.58
17027	97.4	368.6	65.63	1152.81	406.42



TABLE 500C: WY-14643				Attorney Docket 44921-5038-01-WO	
Timepoint(s): 24, 168 hrs				Document No. 1935828.1	
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3460	97.4	78.31	12.72	222.99	99.67
20986	97.37	869.32	111.47	335.98	168.01
15833	97.29	481.16	50.39	277.27	67.17
12829	97.27	623.14	68.41	378.77	89.21
22823	97.19	727.09	57.76	425.33	110.64
21355	97.16	1208.44	309.54	297.28	278.31
11525	97.11	635.55	73.94	380.57	83.16
2812	97.08	677.47	145.95	283.77	94.41
12094	97.08	1682.43	452.96	4857.84	1818.68
4428	97	414.86	44.73	237.97	67.53
15594	96.95	140.38	21.75	22.64	44.34
11440	96.92	1260.64	260.9	4594.34	1999.47
17758	96.92	1264.61	336.5	359	370.32
14024	96.92	70.47	7.15	33.27	17.09
19162	96.89	1004.5	262.57	2891.94	867.15
23320	96.89	448.11	51	240.34	77.06
23698	96.89	1127.65	274.58	355.04	404.69
22063	96.87	94.31	28.54	36.56	16.84
20402	96.87	82	11.4	44.66	14.45
17421	96.84	468.41	75.59	258.45	61.13
6869	96.81	44.12	7.03	220.41	98.06
16722	96.71	24.91	3.58	70.97	28.51
19590	96.68	129.84	20.81	53.22	28.84
16588	96.65	67.32	9.85	44.02	7.97
2668	96.63	1042.45	96.14	2504.2	1009.57
15474	96.63	271.43	80.18	685.07	184.23
17246	96.6	84.95	12.19	25.9	23.63
21109	96.57	62.18	6.61	34.31	11.84
20554	96.57	672.88	164.86	261.72	134.69
1447	96.55	402.67	37	240.42	59.33
14197	96.55	157.08	15.76	90.39	25.63
1586	96.55	166.37	23.96	89.49	24.89
19452	96.52	49.29	1.45	136.98	119.65
20386	96.52	540.48	68.46	253.52	126.65
17934	96.52	503.62	132.26	175.68	88.95
17933	96.52	398.65	134.65	127.8	69.48
26051	96.52	211.29	52.94	79.3	40.08
15627	96.49	1755.11	474.09	5784.08	1962.47
22028	96.47	1581.58	560.4	6758.19	3171.76
4941	96.44	706.96	125.79	1813.31	733.1
21482	96.42	25.52	21.05	398.69	192.7
23340	96.42	279.87	60.1	134.62	38.24
11888	96.36	22.56	12.72	141.73	60.79
21812	96.34	612.98	80.04	365.91	96.08
15052	96.34	853.24	52.45	1443.73	494.37
9842	96.34	1061.71	56.99	1605.37	414.18
13005	96.31	448.84	39.13	250.3	86.68
23836	96.31	131.32	36.15	40.56	32.63
21663	96.28	832.06	65.75	464.8	158.04
24798	96.12	944.05	58.1	569.44	198.06
23300	96.04	527.9	85.34	252.76	96.23

TABLE 5CCC: WY-14643			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 168 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20034	96.02	145.58	25.02	81.93	28.43
15408	95.99	853.57	161.3	289.87	160.54
570	95.91	233.03	28.91	128.85	43.79
4364	95.88	102.18	13.47	53.99	35.1
15851	95.78	565.91	84.09	1405.1	499.67
229	95.65	427.19	43.97	681.65	159.06
1228	95.62	193.11	22.49	111.05	29.8
5317	95.43	181.89	215.05	901.47	328.21
20555	95.41	715.43	72.79	338.54	185.99
18038	95.41	467.16	63.12	248.17	89.51
19745	95.38	99.56	25.02	50.76	21.91
16768	95.25	944.04	190.49	492.81	159.7
2578	95.25	272.19	47.09	159.57	48.78
16398	95.22	838.24	78.73	526.84	136.93
23625	95.11	160.55	41.09	45.23	48.87
5545	95.11	714.79	72.43	1493.51	572.93
20915	95.03	1313.8	284.04	531.71	362.55
17154	95.03	326.26	33.47	187.97	79.13
5497	95.01	302.96	76.1	643.97	187.41
14881	95.01	824.95	105.88	1706.66	634.99
8182	94.82	871.88	109.32	1457.33	334.65
5656	94.8	76.56	16.77	42.19	15.65
19679	94.64	131.94	49.53	391.59	140.4
23341	94.56	428.66	93.95	228.08	71.68
18450	94.56	754.88	111.71	495.19	106.22
18000	94.53	1059.79	80.09	2096.81	679.22
727	94.5	331	55.85	203.28	51.2
427	94.45	732.56	78.66	1724.04	780.34
22062	94.32	166.82	26.32	105.54	30.57
24771	94.29	841.62	46.86	1108.61	317.98
21653	94.26	397.39	37.89	264.16	91.36
25070	94.24	764.46	66.27	498.99	128.62
3381	94.21	184.88	20.55	113.23	34.14
4199	94.18	689.97	29.54	893.18	205.57
670	94.03	727.07	106.28	1210.03	266.48
18862	94	44.53	6.32	21.5	12.04
15509	93.84	46.68	7.51	21.04	14.43
20925	93.84	1461.37	365.1	414.81	435.73

TABLE 50DD: ZILEUTON			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 336 hrs			Document No. 1935323.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12160	98.75	7049.53	2423.91	1101.72	1254.05
12158	98.62	2623.32	1124.57	225.26	524.54
25056	98.59	4347	1047.8	923.79	688.04
25055	98.57	2568.71	1000.72	234.9	526.29
12156	98.54	4725.66	1494.11	488.2	822.73
12155	98.54	3997.37	1348.04	620.7	636.62
12157	98.52	5418.34	1701.38	560.2	941.63
20384	98.46	1258.91	451.47	160.04	234.17
17541	98.25	4122.13	645.37	1622.64	625.17
1794	97.8	5921.92	879.55	2161.6	1257.05
488	97.77	113.29	13.39	147.9	741.02
24860	97.67	1533.76	435.67	386.9	264.48
11153	97.43	302.31	17.99	633.18	202.05
11997	97.38	113.98	2.73	200.2	86.33
20864	97.16	1811.73	558.08	467.01	372.74
15987	97.06	68.73	8.82	24.96	42.45
1802	96.37	208.98	6.44	321.96	108.59
20704	96.24	3005.8	695.86	1299.1	844.05
1793	96.21	2578.39	462.13	1155.56	613.07
1797	96.16	4275.97	726.03	1788.44	1021.62
21015	95.78	5834.15	1056.99	2918	1037.35
21878	95.33	201.63	11.18	140.54	80.14
21013	95.23	5773.43	1055.86	2605.07	1205.03
635	95.15	2637.24	224.54	1570.84	483.79
21904	95.04	6866.44	1205.63	2993.81	1581.59
15193	95.04	274.87	66.27	151	53.77
21798	95.04	2542.62	180.76	1776.69	360.08
23766	94.99	199	16.21	113.32	52.81
15615	94.91	7738.05	706.95	4719.56	1505.03
21389	94.8	49.8	4.87	87.08	25.01
15755	94.75	495.81	35.13	741.17	180.89
6941	94.7	165.41	46.43	36.89	60.91
12447	94.7	154.27	32.16	63.49	36.1
25400	94.59	4079.57	968.53	1666.1	929.6
15382	94.35	174.96	17.64	165.12	304.79
17092	94.33	149.48	31.94	80.58	46.43
12094	94.3	7548.3	429.47	4834.13	1824.08
3168	94.3	73.46	17.54	30.85	21.39
15576	94.27	134.04	14.94	237.94	70.14
24323	94.27	625.41	83.52	415.95	106.98
8212	94.19	3634.2	606.95	1975.78	726.02
634	94.01	2302.21	161.08	1531.06	420.16
15955	93.74	364.6	52.52	193.82	94.51
2095	93.66	102.24	7.12	167.36	54.45
7394	93.5	754.82	17.61	690.57	201.42
1430	93.29	216.29	42.2	90.49	69.52
25525	93.11	1995.66	211.43	1346.43	366.4
10093	93.11	715.8	95.65	427.98	160.23
12060	92.97	52.98	6.24	91.21	25.84
5856	92.95	64.9	15.13	162.39	65.65
14882	92.9	2041.58	188.35	1297.84	415.27

TABLE 5DDD: ZILEUTON			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24, 336 hrs			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23698	92.87	541.8	79.14	358.14	408.1
4689	92.87	91.62	26.32	25.42	41.94
22729	92.84	64.69	19.63	183.14	79.91
9654	92.71	100.5	13.53	37.7	64.46
9190	92.55	1616.03	203.99	1015.38	357.98
21123	92.52	1410.22	101.77	945.02	278.86
16367	92.5	2207.43	158.42	1414.91	543.59
3879	92.5	3124.06	400.75	1886.02	618.42
16701	92.44	3476.03	509.13	2271.14	715.55
21735	92.36	219.32	24	349.13	105.91
3957	92.34	61.7	7.96	117.19	52.9
24049	92.31	2284.63	444.4	1516.14	458.49
9373	92.26	60.92	6.06	130	71.99
16696	92.23	61.34	4.85	101.84	32.55
4314	92.21	395.31	10.23	455.1	118.3
4092	92.21	510.42	41.8	314.8	136.43
6906	92.1	44	7.42	78.11	30.05
24521	92.1	5657.88	409.43	3784.13	1233.76
23699	91.86	853.36	73.03	642.8	308.52
21382	91.76	95.72	16.75	181.29	63.63
20333	91.6	37.04	2.81	26.53	26.22
6479	91.6	749.74	38.93	1044.6	395.54
3924	91.6	528.14	72.69	326.04	114.78
24022	91.49	57.89	5.43	88.38	26.56
2939	91.49	347.15	59.18	207.37	81.76
17382	91.38	398.31	44.67	273.83	87.9
8211	91.38	4574.94	1008.15	2364.72	1107.37
17995	91.33	2861.29	526.81	1693.58	648.99
25679	91.28	1191.94	97.58	884.29	246.32
19274	91.2	77.85	15.42	148.75	51.44
3618	91.2	211.1	21.6	136.3	51.19
5258	91.15	216.39	16.94	300.3	75.59
11815	91.04	68.84	20.56	105.35	23.57
18673	91.01	107.51	9.44	177.04	63.72
18993	91.01	83.62	10.23	50.42	27.57
18726	90.99	253.79	19.15	362.89	115.54
18322	90.96	70.8	11.12	122.67	187.49
18588	90.96	330.89	31.77	236.9	98
11152	90.93	129.76	41.61	334.36	142.44
6637	90.8	361.39	16.71	489.36	135.09
16125	90.77	51.75	5.99	93.98	39.42
1488	90.77	133.21	4.88	168.5	34.13
2888	90.72	3496.83	172.02	2672.59	748.08
16619	90.69	198.18	109.62	43.97	59.99
2744	90.64	145.35	5.93	208.2	84.5
2480	90.64	126.25	28.47	235.63	74.12
22967	90.59	106.23	10.98	166.4	89.23
1478	90.59	265.47	42.82	423.62	119.63
15269	90.59	115.2	11.99	184.77	53.58
10109	90.56	1186.4	50.93	1047.09	223.98
21122	90.51	2353.94	286.81	1522.35	489.09

-1066-

TABLE 5DDD: ZILEUTON					
Timepoint(s): 24, 336 hrs					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1175	90.35	1228.26	290.15	628.66	346.89
21051	90.24	70.74	14.28	169.02	87.59
25327	90.22	21.49	1.17	28.09	12.26
17581	89.87	61.95	7.28	103.07	34.04
20914	89.86	1572.34	1021.63	232.18	297.9
7927	89.79	177.21	21	286.36	116.7
1995	89.69	1942.75	156.94	1937.53	970.84
17211	89.61	1705.29	114.02	1321.59	433.44
17729	89.61	1101.89	57.21	922.22	213.07
26030	89.58	936.63	65.07	720.16	240.07
16895	89.48	1712.22	108.48	1711.96	562.47
25691	89.48	1076.29	62.67	887.34	307.3
25170	89.34	30.56	3.23	52.32	25.78
904	89.26	36.43	6.32	62.22	20.39
20705	89.2	2761.31	602.99	1021.96	944.59
1479	89.18	170.01	35.69	296.66	95.24
1894	89.13	219.86	20.25	342.91	118.97
3692	89.13	80.86	4.5	105.5	33.22
18597	89.1	773.65	66	604.74	200.99
18606	89.1	887.01	70.78	728.93	178.99
5492	89.07	191.37	114.18	35.88	62.26
4441	89	1001.17	53.99	850.89	218.78
1133	88.92	112.25	3.93	133.25	29.31
5493	88.91	217.89	73.19	53.87	63.49
16180	88.79	304.21	30.28	448.06	132.54
11150	88.76	66.73	24.89	178.77	93.2
20975	88.65	63.58	8.13	111.47	41.34
18989	88.64	3272.51	1346.78	1472.13	681.24
17613	88.63	190.44	28.62	307.4	126.5
16300	88.63	108.55	16.49	73.14	28.28
25725	88.62	294.04	72.48	142.28	63.07
17104	88.6	587.61	27.94	542.98	142.81
13574	88.52	325.55	14.69	306.09	94.54
18887	88.52	79.09	12.39	122.97	39.59
24577	88.49	1128.62	106.44	909.55	233.51
16272	88.47	2086.18	93.14	1823.9	539.07
108	88.41	2812.18	157.19	2173.71	1124.56
17091	88.41	132.37	37.45	44.65	42.14
109	88.28	5865.57	438.1	3927.54	2213.79
4574	88.26	450.94	59.97	618.93	137.89
1069	88.26	2013.49	160.96	1610.1	393.87
21011	88.25	5765.97	1325.15	2350.53	1048.15
4407	88.23	75.97	14.19	144.28	57.75
6425	88.18	61.59	15.23	116.7	41.43
18400	88.18	22.83	5.45	50.02	24.6

TABLE 5555: LPS					
Timepoint(s): 24 hrs					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4011	99.87	166.43	57.73	1821.45	677.32
21012	99.79	476.81	16.35	1520.39	567.6
16304	99.79	296.61	51.2	1499.52	504.23
634	99.79	224.82	44.49	1536.28	417.92
16726	99.76	297.93	10.7	792.74	196.34
25525	99.76	172.66	36.36	1350.98	364.18
14495	99.74	78.02	13.42	323.78	111.6
24728	99.71	28.74	8.28	261.59	84.08
15	99.71	92.36	1.44	44.8	21.18
2997	99.68	88.08	5.9	375.4	119.98
11904	99.68	268.62	16.95	60.15	42.8
9214	99.66	880.52	97.9	273.93	150.19
18244	99.66	1182.44	47.71	542.72	137.87
635	99.63	188.18	84.64	1577.16	483.16
20872	99.63	1345.63	38.66	763.45	262.47
22598	99.63	3246.17	212.74	992.6	344.02
574	99.6	251.77	18.84	94.44	165.34
23651	99.6	65.74	17.19	20.61	97.18
22042	99.6	6153.73	992.13	233.68	1107.91
9845	99.6	3806.95	827.59	124.33	892.61
16416	99.58	288.07	16.78	108.4	60.71
15004	99.58	1695.49	240.53	236.04	142.5
5059	99.55	324.13	47.19	79.53	249.59
18580	99.55	1019.69	40.31	224.66	139.63
5969	99.52	362.85	61.79	1180.73	390.03
24860	99.5	32.25	5.22	391.3	272.54
4012	99.44	284.76	99.62	2441.81	1157.15
1641	99.44	275.36	14.85	110.29	51.67
9905	99.44	166.04	20.66	648.12	150.08
1600	99.42	80.25	4.34	37.92	93.41
3134	99.39	375.27	108.07	38.07	41.15
20915	99.39	98.85	6.27	536.36	365.97
13563	99.36	455.07	25.07	1185.43	356.64
154	99.36	501.9	58.32	165.9	60.49
20589	99.36	125.48	13.65	25.15	26.99
5967	99.34	203.14	33.53	867.88	367.62
21285	99.34	1157.81	137.93	100.17	161.93
309	99.31	1271.05	75.47	694.09	136.68
9215	99.31	1095.45	215.49	315.14	205.97
25052	99.31	1613.62	302.24	30.62	119.49
1221	99.28	197.14	26.41	32.78	122.89
16367	99.28	137.22	105.71	1420.14	541.97
4914	99.28	47.79	18.73	481.47	150.36
15002	99.26	812.99	200.75	139.85	68.61
16081	99.23	580.07	45.01	127.63	197.04
16366	99.23	126.39	27.16	798.97	303.77
6911	99.23	57.47	6.74	234.1	74.48
1809	99.23	6297.41	1822.96	122.34	681.56
6614	99.23	118.9	26.54	907.33	269.4
18618	99.21	1838.27	88.48	1149.65	214.57
3548	99.21	174.92	5.09	79.79	30.13

-1068-

TABLE 5533: LPS			Attorney Docket 44921-5033-01-WO		
Timepoint(s): 24 hrs			Document No. 1935328.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14964	99.18	161.42	102.69	1006.2	317.11
22512	99.18	354.47	227.36	30.39	59.45
1602	99.18	170.64	16.69	467.13	108.67
10109	99.18	1938.46	117.34	1045.64	220.17
8584	99.15	144.43	32.68	1400.37	635.95
10071	99.13	90.84	33.37	30.7	24.06
22522	99.13	112.21	12.19	248.85	63.35
15741	99.13	317.97	109.01	1252.69	388.68
17541	99.13	316.82	124.41	1633.35	638.47
21522	99.13	765.82	52.59	164.35	209.31
11416	99.13	283.22	20.98	115.75	35.97
25802	99.13	516.44	15.56	257.7	80.46
15872	99.13	73.07	25.46	499.66	169.35
4636	99.13	457.49	50.41	74.1	125.75
21660	99.13	5230.59	324.32	1744.04	720.76
20529	99.13	1181.01	95.34	129.82	185.65
6615	99.1	89.58	20.45	438.68	128.87
20448	99.07	159	29.63	42.64	73.93
6263	99.07	77.77	18.31	292.55	100.65
1561	99.07	1985.06	196.05	870.62	217.06
14767	99.07	69.48	6.08	310.71	115.85
11849	99.07	1291.53	27.15	746.01	163.9
14384	99.07	542.05	32.59	247.13	63.39
2855	99.07	794.02	58.03	420.6	87.21
20249	99.05	78.03	10.56	24.83	20.92
15185	99.05	263.18	54.68	60.65	100.78
24469	99.05	1244.67	166.79	620.92	197.95
17333	99.05	148.37	21.45	51.16	34.11
12779	99.05	451.8	238.57	67.96	54.36
8273	99.05	219.01	79.36	43.6	33.76
20810	99.05	2037.68	83.17	1154.93	263.95
18385	99.05	178.44	102.58	21.57	29.85
22515	99.05	4183.61	1044.52	121.12	348.28
20864	99.02	55.18	25.79	472.15	380.76
5920	99.02	67.33	29.28	461.44	217.92
17324	99.02	81.82	19.34	378.9	117.26
24589	99.02	395.8	197.61	55.53	53.19
19411	99.02	111.17	7.01	33.82	21.69
25313	99.02	312.92	23.51	99.39	60.94
6823	99.02	814.26	140	251.11	106.22
8215	99.02	873.46	52.7	386.99	135.82
23005	98.99	270.87	18	124.39	86.19
20055	98.99	304.31	43.15	67.96	73.87
10984	98.99	79.7	65.47	1058.22	304.87
20944	98.99	1456.36	145.65	619.91	160.17
6532	98.99	317.77	23.11	140.71	43.19
5175	98.97	344.51	77.31	40.15	62.99
4969	98.97	2466.07	420.51	259.82	239.47
1678	98.94	22.06	13.4	124.71	41.32
2744	98.94	510.03	36.96	207.36	83.36
15503	98.91	181.26	37.44	64.23	59.72

TABLE 5EEB: LPS			Attorney Docket 44921-5038-01-WO		
Timepoint(s): 24 hrs			Document No. 1935328.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18001	98.91	196.94	39.51	718.21	179.34
682	98.91	664.18	326.43	109.18	95.85
17284	98.89	66.24	7.09	184.56	54.71
20462	98.89	1386.9	54.08	832.62	161.68
22513	98.89	6801.87	2063.44	24.21	724.48
24228	98.89	1963.56	170.96	977.17	260.22
23825	98.89	98.15	18.36	38.05	25.86
7427	98.86	242.61	40.71	32.31	29.32
18611	98.86	2091.17	198.59	1139.38	540.19
16080	98.83	333.96	51.66	71.05	142.79
20354	98.83	352.09	24.78	51.73	57.92
155	98.83	242.82	80.27	41.45	24.98
5667	98.83	1364.04	112.29	816.08	305.28
18750	98.81	372.57	8.69	246.42	71.72
22321	98.73	445.71	89.53	76.62	108.24
4178	98.73	79.54	11.94	39.39	54.77
10949	98.73	390.51	153.27	1874.53	687.28
18250	98.73	1694.19	100.64	952.01	198.91
12606	98.7	161.97	57.03	741.43	238.52
1893	98.7	164.59	74.91	31.84	31.29
5496	98.68	113.96	19.27	493.5	154.89
20701	98.68	2698.56	266.1	879.33	385.5
1572	98.65	172.32	13.47	73.12	32.33
19469	98.62	124.43	69.52	477.5	113.18
25675	98.62	1145.98	19.45	741.67	207.51
25687	98.62	2034.6	159.67	1275.29	658.59
21643	98.6	1666.53	167.12	891.15	220.23
24771	98.57	119.53	97.47	1109.43	314.81
20523	98.57	316.37	52.14	48.66	67.77
15626	98.57	2208.57	185.27	1329.28	250.81
18989	98.54	247.79	152.33	1480.44	689.51
20716	98.54	776.01	61.15	1643.73	473.59
15652	98.54	2214.91	91.58	1501.41	366.17
20698	98.54	3387.66	619.21	894.32	433.33
2667	98.52	317.82	43.77	809.25	200.01
1550	98.49	50.78	24.28	431.87	211.34



TABLE 5FFF: Carcinogen-Genotoxic			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935823.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20983	80.16	699.35	155.97	1005.91	291.23
4259	78.68	872.19	120.42	688.78	128.81
11576	78.68	42.97	21.82	82.03	29.1
23068	78.34	337.97	152.95	602.09	216.21
40	78.21	174.77	72.5	368.49	185.84
15372	78.11	235.86	46.01	181.71	55.03
4440	77.92	521.11	171.56	811.07	198.73
20741	77.72	56.74	26.65	21.22	29.83
7903	77.72	30.87	24.61	91.85	73.86
13055	77.69	314.8	83.29	481.93	173.91
3823	77.52	793.93	216.14	520.48	172.77
1246	77.46	42.88	20	79.11	30.1
19728	77.4	309.99	139.76	517.14	159.37
8143	77.15	86.21	47.18	35.73	105.66
5634	76.97	101.03	53.66	35.79	60.92
17729	76.83	1144.04	188.18	916.66	210.39
15029	76.76	1153.7	316.29	1594.83	523.1
20757	76.61	628.44	378.55	265.1	101.02
20984	76.6	907.16	202	1189.53	300.46
6015	76.5	1014.49	395.11	1519.13	389.63
15365	76.49	911.59	179.51	707.12	353.7
22554	76.42	936.55	345.68	1508.43	434.36
2435	76.31	238.98	44.37	187.81	45.95
9191	76.3	381.39	188.57	700.04	284.22
633	76.23	1035.25	269.13	1345.13	284.78
6471	76.01	335.96	97.67	509.97	190.25
729	75.97	133.33	51.18	226.84	81.36
16329	75.94	476.38	256.14	255.42	104.07
10611	75.93	140.38	141.73	21.78	29.86
3916	75.89	1137.68	315.72	1549.62	408.07
2569	75.84	696.92	495.63	913.6	280.73
7918	75.77	85.91	26.54	62.72	31.29
15382	75.74	293.92	222.54	161.59	305.54
255	75.59	341.21	92.99	464.88	124.43
22722	75.52	395.48	556.93	22.55	41.68
11635	75.5	194.77	69.22	294.23	87.63
16847	75.47	894.72	145.41	712.69	169.88
1867	75.38	823.2	173.19	625.16	162.19
20839	75.35	1382.24	215.11	1128.38	213.94
547	75.32	483.82	102.27	371.33	89.89
17549	75.25	841.2	147	651.48	144.29
25702	75.25	634.55	124.24	491.54	177.05
22559	75.24	683.97	197.13	979.9	319.54
23285	75.12	504.92	120.97	356.86	132.69
11403	75.05	397.6	225.11	179.74	198.49
9067	75.03	1013.09	266.39	708.46	235.21
15393	75.01	313.66	64.63	429.1	98.24
13056	74.95	205.08	53.55	289.43	92.14
10109	74.95	1225.48	174.73	1042.6	223.01
24771	74.88	813.83	245.68	1115.47	315.73
5934	74.83	232.5	105.47	371.97	166.12

TABLE 5FFF: Carcinogen-Genotoxic				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
5464	74.82	573.92	273.07	322.1	134.97
22931	74.76	58.34	37.34	140.64	97.53
24615	74.73	1024.85	188.08	829.18	195.6
6473	74.72	100.21	36.16	159.86	60.45
18525	74.71	192.5	144.81	203.43	77.82
15900	74.64	241.59	54.79	184	77.26
7888	74.62	367.74	111.47	262.4	139.88
1846	74.56	442.88	87.61	553.88	111.48
18713	74.56	467.98	136.85	329.64	109.36
18795	74.42	805.43	297.81	534.59	197.41
4441	74.41	1020.22	174.79	846.69	217.89
11830	74.31	988.21	424.5	615.36	243.9
22370	74.21	181.13	49.71	269.95	104.72
17533	74.18	198.65	90.33	308.74	124.97
11644	74.18	570.25	242.53	861.41	219.77
9012	74.15	447.75	242.26	707.87	273.4
23299	74.11	364.84	199.84	198.53	145.93
17175	74.09	866.87	216.39	606.64	164.99
12030	74.06	130.76	41.74	88.56	26.4
3367	74.04	765.01	229.59	526.96	195.19
20879	73.95	339.87	222.19	630.85	268.79
20986	73.94	200.11	64.05	342.36	172.2
4914	73.93	336.27	135.21	484.55	150.01
3411	73.88	1506.3	275.64	1799.96	454.13
15842	73.84	225.78	49.2	179.93	50.04
21458	73.78	558.82	240.46	395.15	291.91
15684	73.77	535.32	171.5	357.54	133.92
20939	73.73	254.05	59.42	205.48	70.48
6190	73.65	111.15	26.5	138.78	31.34
20712	73.56	827.09	243.59	1121.96	381.01
15135	73.56	982.15	194.11	784.61	186.24
25705	73.48	1130.61	452.71	732.69	175.44
17394	73.44	484.24	156.91	338.77	141.41
16005	73.42	497.67	98.02	402.72	80.72
23854	73.42	605.72	142.51	448.39	148.54
20427	73.37	957.46	132.45	788.39	160.54
7074	73.36	95.53	88.43	90.31	47.48
13966	73.35	242.42	97.55	173	40.64
15700	73.35	321.6	97.74	452.04	123.03
9475	73.35	562.32	280.75	867.4	305.84
22930	73.32	247.44	200.56	546.96	351.23
4091	73.25	471.63	134.48	340.62	93.48
2150	73.17	645.2	130.14	786.17	162.88
22929	73.15	542.45	417.96	1259.22	787.08
3266	73.15	205.41	44.72	156.16	36.08
2901	73.15	79.07	22.22	104.35	30.98
11404	73.08	362.81	158.8	217.06	125.26
22928	73.07	126.54	87.09	288.07	184.84
10540	73.05	53.88	42.58	23.14	16.86
18715	72.97	257.87	78.53	194.8	76.01
11136	72.96	449.61	137.53	312.81	116.46

TABLE 5FFF: Carcinogen-Genotoxic			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLC6C Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17532	72.95	330.59	135.24	497.36	166.67
3815	72.94	128.87	50.95	78.63	23.37
15239	72.88	779.22	133.42	624.37	246.85
17123	72.87	149.5	49.66	107.58	35.69
6782	72.84	288.69	61.6	232.13	63.15
16730	72.74	48.09	28.3	24.39	24.83
16304	72.71	1105.36	317.54	1507.83	506.73
24778	72.7	577.7	564.8	98.97	234.12
10503	72.68	479.94	104.93	582.57	128.92
13682	72.64	221.24	64.44	152.63	61.18
28	72.59	545.87	233.72	811.63	265.75
20600	72.47	274.75	204.7	605.42	332.11
20707	72.28	348.78	144.24	613.33	299.66
2434	72.26	42.02	12.88	30.15	12.8
25321	72.2	409.66	421.38	59.37	156.4
20801	72.17	97.75	51.86	62.18	46.61
19103	72.14	747.67	437.88	744.26	226.84
14822	72.1	209.5	82.11	139.33	51.2
5351	72.09	721.41	124.07	589	116.71
24469	72.05	785.62	215.18	617.71	197.63
21087	71.96	35.31	17.36	68.51	36.42
1175	71.93	353.24	183.01	638.24	348.68
405	71.89	804.08	162.67	945.58	196.85
20601	71.86	516.59	324.59	981.19	455.85
356	71.8	200.16	169.71	144.6	59.51
24434	71.79	145.61	68.25	235.38	100.01
17995	71.7	1117.11	606.29	1713.35	645.83
9620	71.7	646.71	130.02	530	110.43
12639	71.68	1259.44	170.87	1097.73	174.38
16204	71.68	962.07	191.09	763.75	201.3
17963	71.67	72.41	33.08	107.45	45.15
21842	71.57	305.78	167.14	570.47	294.85
8829	71.53	313.15	162.13	194.22	107.88
13088	71.5	876.21	410.92	1286.69	436.77
16993	71.4	851.77	188.69	1063.49	297.04
15703	71.37	168.61	83.18	132.73	49.27
20299	71.36	502.59	257.3	731.57	247.08
1501	71.36	653.34	199.83	498.08	251.52
1529	71.34	470.01	105.5	572.8	127.8
1169	71.32	92.59	38.7	62.31	33.89
14959	71.29	706.04	185.41	533.74	172.72
15462	71.27	441.23	94.56	548.25	119.8
16306	71.25	827.04	217.7	1107.54	253.09
23240	71.25	326.07	66.79	269.57	66.49
18867	71.23	633.39	190.27	831.22	221.77
24648	71.22	70.9	18.08	93.54	28.64
17589	71.17	55.66	27.94	32.99	34.18
20872	71.17	1105.67	418.43	755.24	251.63
11137	71.16	581.96	177.06	409.74	155.78
19086	71.07	202.28	100.76	120.19	67.66
2696	71.02	774.12	182.13	616.08	158.96

-1073-

TABLE 5FFF: Carcinogen-Genotoxic			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17758	70.99	152.5	72.7	369.15	378.61
17104	70.96	714.4	187.94	538.37	138.23
17101	70.85	245.79	88.54	181.78	63.4
10545	70.77	334.5	136.91	215.02	84.92
13282	70.54	182.55	50.18	226.06	78.52
6911	70.53	170.87	69.42	235.47	74.25
794	70.5	625.94	167.38	806.91	228.44
17086	70.49	162.73	43.06	120.13	46.89
20807	70.44	1084.34	174.14	905.22	211.25

TABLE 5GCG: Carcinogen-Non-Toxic			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLCG Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22929	86.31	202.65	243.15	1271.54	777.33
22931	82.75	27.9	25.98	141.8	96.72
13088	82.6	686.52	381.81	1293.6	430.3
22930	82.38	123.6	112.23	551.55	348.45
19732	82.27	426.53	242.61	1003.1	464.66
1698	82.13	715.86	416.64	195.56	183.03
633	81.83	984.91	212.98	1347.51	283.97
19363	80.87	745.28	464.57	1931.43	893.41
2296	80.74	542.9	191.42	900.05	268.12
5460	80.36	49.99	27.29	98.71	37.23
11644	80.18	542.13	201.52	863.06	219.23
2297	80.15	547.96	208.15	931.75	310.44
12312	79.77	642.76	214.86	982.24	263.15
5874	79.7	74.06	27.43	121.86	51.4
17401	79.4	202.67	90.98	440.15	216.71
6017	79.37	188.49	230.04	799.56	501.54
16726	79.2	570.05	132.38	798.45	195.2
22928	79.12	73.4	57.4	290.13	183.52
20299	79.09	405.03	217.32	735.16	244.53
6673	79	519.07	180	807.13	245.06
4440	79	480.57	182.55	813.1	195.97
2515	78.96	413.28	122.61	623.77	181.24
25443	78.73	753.02	293.07	1128.42	333.11
2484	78.49	117.26	92.32	363.06	222.07
7697	78.44	286.4	90.97	456.25	149.18
13294	78.2	491.42	124.88	343.94	103.87
9191	78.18	333.99	195.47	702.36	282.05
1551	77.99	628.31	302.15	1038.16	365.32
5873	77.84	208.91	105.22	322.46	110.47
18525	77.75	132.21	104.11	205.3	78.51
25702	77.64	655.42	142.03	490.51	176.05
2587	77.62	1087.03	364.45	1666	451.19
5711	77.52	622.81	297.26	1082.92	334.1
2799	77.5	230.09	144.75	500.08	222.88
18867	77.47	677.46	435.28	830.41	212.11
14512	77.46	582.78	262.42	1069.95	371.04
20998	77.43	980.81	472.73	1254.99	328.95
14510	77.39	1876.72	770.4	3284.35	1189.09
1173	77.32	802.93	643.06	1595.45	690.58
32	77.28	214.07	60.12	299.71	82.68
12524	77.27	518.08	136.59	389.04	109.44
16204	77.11	972.01	210.14	762.9	200.18
6015	77.04	978.18	432.57	1521.61	386.02
24434	77.01	118.64	62.4	236.44	99.22
21052	76.99	160.04	82.51	295.08	107.92
15141	76.99	210	49.83	144.06	46.64
19458	76.95	316.27	152.68	507.89	142.85
357	76.82	54.64	44.55	75.02	34.01
1501	76.76	680.6	198.7	496.82	250.98
21977	76.71	497.11	152.13	713.85	219.55
14103	76.69	160.55	71.08	269.12	112.4

TABLE 5GCG: Carcinogen--Non-Toxic			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLCG Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3411	76.59	1332.3	361.54	1806.07	447.92
23417	76.56	337.52	112.64	226.74	68.65
3823	76.48	696.96	185.24	522.69	176.92
13563	76.46	1272.5	1063.56	1181.18	312.74
9016	76.41	1605.31	1194.36	2662.59	971.34
6007	76.37	426.96	77.88	554.92	111.97
10503	76.36	455.68	101.8	583.59	128.28
9336	76.17	114.48	64.74	276.17	169.66
17850	75.94	504.84	132.42	376.73	95.85
4091	75.94	470.39	101.29	340.3	94.39
20707	75.81	453.29	493.23	610.87	290.64
17849	75.78	1570.36	493.86	1069.97	305.55
19470	75.75	334.94	132.9	513.28	149.42
14738	75.65	940.09	234.19	1342.28	357.93
4093	75.62	725.12	144.3	565.89	161.11
2569	75.55	677.8	411.57	914.77	283.28
23390	75.5	673.73	232.49	440.42	149.99
2299	75.49	214.32	101.04	359.78	126.42
1478	75.46	289.8	109.15	427.18	117.78
20872	75.26	958.3	204.21	758.78	262.97
6406	75.26	125.54	80.07	56.2	78.4
17887	75.22	822.69	360.31	1166.09	312.15
4090	75.2	790.43	147.59	601.11	150.05
19993	75.17	523.53	141.7	394.77	187.13
26123	75.12	484.05	206.18	286.56	147.67
5943	75.07	328.64	183.9	655.3	309.44
23362	75.03	367.93	155.31	210.62	68.03
23070	75.01	138.72	31.01	104.6	28.91
15654	74.95	474.6	162.84	320.1	145.23
20430	74.9	480.93	246.6	834.64	378.27
17179	74.89	123.13	43.67	83.31	41.87
20862	74.83	170.81	66.32	275.48	96.48
11404	74.77	346.74	157.49	217.16	125.51
17049	74.76	229.42	98.95	340.73	98.41
3995	74.75	1188.34	436.49	1635.65	371.62
24811	74.72	981.08	431.27	1520.23	449.47
22558	74.7	2457.9	548.19	3224.82	776.48
794	74.65	580.03	190.24	808.8	226.58
1561	74.64	608.51	210.01	881.05	218.39
7888	74.59	350.2	109.39	262.65	140.26
22820	74.59	503.78	208.71	306.29	127.03
6824	74.52	766.23	366.65	405.29	201.16
6390	74.47	113.7	53.01	59.45	38.3
23448	74.44	2363.27	1438.39	1051.79	811.05
14962	74.38	493.78	167.48	409.25	114.02
1867	74.34	829.89	194.73	624.42	160.84
14007	74.26	151.2	37.63	206.51	64.51
4441	74.25	1007.74	178.02	846.6	218.02
15955	74.24	144.38	137.03	195.89	92.94
10109	74.11	1278.13	244.78	1040.49	219.4
20466	74.06	293	99.2	431.14	148.29

TABLE 5GGG: Carcinogen-Non-Toxic				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLGG Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23854	74.05	625.85	175.43	447.35	146.56
2149	73.99	737.52	211.62	978.87	219.16
24771	73.92	782.11	295.53	1117.26	313.23
16684	73.89	557.07	248.27	349.5	137.39
356	73.83	112.43	92.51	147.13	64.24
8984	73.79	259.82	81.37	178.26	56.75
13646	73.69	981.81	229.01	741.19	192.24
1550	73.66	224.43	157.87	437.37	210.13
17292	73.65	513.55	224.67	758.44	246.74
1479	73.54	209.56	82.63	298.91	94.51
1447	73.54	297.12	61.7	239.48	59.43
17324	73.53	266.43	79.83	381.68	117.25
25747	73.47	582.23	229.47	421.39	232.45
24810	73.37	236.63	127.1	422.34	148.72
20741	73.34	59.11	43.76	21.05	29.08
1529	73.27	449.84	139.42	573.7	126.21
8182	73.2	1114.17	340.22	1464.93	330.86
15535	73.14	665.35	137.93	516.19	134.91
8317	73.14	376.97	158.53	643.26	219.6
15335	73.07	508.46	165.1	359.73	151.62
17473	73.04	353.48	142.47	227.44	93.48
20864	73.03	1059.38	686.68	453.34	352.78
24228	73.02	772.77	127.78	985.56	264.52
11635	72.98	198.14	66.56	294.4	87.69
10509	72.96	95.38	35.94	139.78	54.12
18606	72.92	948.1	210.63	722.76	173.7
14959	72.83	749.08	210.81	531.96	170.07
20429	72.81	390.99	171.02	631.51	260.07
23321	72.68	255.86	108.44	237.45	63.41
2150	72.65	638.05	142.4	786.77	162.3
9134	72.46	588.63	132.56	469.81	104.59
25480	72.46	421.15	151.83	611.36	191.9
2505	72.44	552.09	200.64	759.15	189.26
22582	72.41	297.74	125.32	441.85	141.39
5749	72.4	265.17	70.18	195.41	85.11
3815	72.39	104.79	28.13	79.23	25.37
16205	72.34	1370.36	314.88	1090.44	256.99
24645	72.3	292.1	102.19	400.77	171.29
6405	72.26	61.65	28.48	39.31	34.42
4748	72.22	870.64	350.08	1197.05	350.11
3254	72.21	362.51	115.54	253.72	87.89
21054	72.19	305.12	160.26	522.03	206.99
17123	72.18	144.86	42.38	107.6	36.01
2578	72.12	218.28	69.5	158.33	47.55
17175	72.11	854.18	223.44	606.32	164.58
25686	72.08	904.7	224.67	716.42	183.96
293	72	146.02	67.63	238.27	84.09
9136	72	441.84	113.66	335.26	86.94
16507	72	123.55	29.96	93.01	34.31
17549	71.96	794.93	142.99	652.37	145.68
3987	71.94	342.64	83.07	267.98	77

-1077-

TABLE 5GCG: Carcinogen-Non-Toxic			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18906	71.94	57.48	49.51	82.24	35.68
20056	71.94	77.77	27.94	110.46	33.73
11153	71.89	459.58	195.06	637.39	200.55
4259	71.88	828	158.81	689.63	128.92
15700	71.84	328.33	95.82	452.19	123.16
10545	71.84	320.5	112.94	215.12	86.12



TABLE 5HHH: CHOLESTASIS					
Timepoint(s): Various					
CLGG					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20741	92.14	90.08	35.85	21.19	29.08
6015	91.66	744.06	225.7	1516.55	389.35
22554	91.2	667.59	247.27	1504.96	432.76
23183	90.91	94.02	27.25	217.85	90.97
20983	90.75	540.44	138.88	1004.27	289.02
16703	90.59	706.11	95.31	1175.97	383.92
6560	90.34	229.23	83.61	85.02	40.56
17613	90.29	494.29	84.97	304.32	124.95
26123	89.7	529.03	110.36	288.98	151.21
14384	89.38	385	62.18	245.77	62.65
13646	89.19	1093.26	133.75	743.32	193.95
19824	88.82	95.83	93.65	377.21	161.39
17104	88.71	834.27	167.68	538.9	137.83
24771	88.44	726.33	139.91	1112.86	316.28
24707	88.25	620.55	153.06	1269.92	452.54
8872	88.2	716.19	111.07	490.95	240.53
16684	88.17	673.37	172.01	351.04	140.57
4944	88.12	219.69	53.41	126.98	121.64
11231	87.96	818.71	78.36	630.9	136.28
25702	87.88	703.29	94.66	492.38	176.47
20056	87.8	61.19	18.18	110.19	33.69
9016	87.69	1099.32	593.71	2653.47	981.88
21871	87.58	497.12	102.43	321.25	77.28
13294	87.55	529.85	77.35	345.67	105.58
16809	87.45	63.15	19.66	29.36	25.68
18606	87.45	1009.46	159.18	725.38	176.03
13088	87.45	523.66	325.72	1286.51	433.05
3528	87.42	159.44	68.9	42.47	39.22
15136	87.1	851.83	155.61	584.48	293.28
14959	87.04	816.62	149.36	534.36	172.37
19470	87	318.75	59.8	510.74	151.17
23305	86.51	148.99	27.65	91.22	45.71
24012	86.4	1706.26	780.38	400.68	296.15
13966	86.4	247.11	39.78	173.83	43.76
16306	86.32	675.36	164.39	1106.12	252.13
6017	86.22	118.77	172.59	791.07	503.2
17956	86.13	95.77	20.76	57.69	18.97
7247	86.08	236.37	62.85	144.26	87.67
4490	86.06	461.78	90.27	303.75	139.97
9402	86.05	279.04	50.68	186.55	52.26
1246	86	31.81	17.01	78.8	30.07
23987	85.89	320.62	95.39	168.04	66.42
19825	85.89	90.39	100.04	358.83	160.28
17887	85.87	737.88	132.89	1161.98	316.82
24013	85.81	166.12	57.09	61.55	62.16
16945	85.79	914.03	98.23	717.83	140.17
6824	85.73	620.78	139.94	413.01	216.13
22258	85.71	31.08	6.44	58.56	21.86
10545	85.62	353.1	66.1	216.28	87.59
23013	85.62	322.24	44.23	230.85	71.33
5711	85.46	512.83	219.43	1077.36	336.81

TABLE SHHH: CHOLESTASIS					
Timepoint(s): Various					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2569	85.43	436.6	171.55	914.58	286.29
10544	85.38	257.71	40.73	178.71	71.27
15684	85.27	623.14	133.04	358.56	134.49
4674	85.2	245.09	107.99	553.94	205.62
19211	85.19	202.33	58.11	118.63	48.13
15654	85.19	512.05	126.73	321.96	146.64
5351	85.11	771.9	108.26	589.97	117
13647	85.09	1506.26	242.56	1015.34	335.18
12313	85.09	803.88	1203.15	3739.92	1814.05
17101	85.08	303.37	64.91	181.77	63.38
20984	85.01	788.04	223.93	1187.62	298.92
15090	84.98	98.5	12.85	70.45	24.28
16783	84.98	96.08	41.76	28.43	39.83
23491	84.97	316.82	108.47	137.45	62.47
17175	84.95	983.14	170.88	608.3	165.88
3665	84.95	325.86	73.28	197.48	75.25
23714	84.95	236.21	68.5	104.55	57.21
3705	84.9	114.33	34.32	60.36	26.44
6016	84.88	1292.73	333.16	2110.3	767.22
20891	84.87	193.24	43.34	105.03	53.22
970	84.84	412.68	209.81	98.53	101.64
13729	84.82	382.69	85.3	202.69	94.02
22929	84.82	222.73	282.8	1254.63	783.31
19732	84.74	451.41	140.89	993.78	468.51
18612	84.73	190.71	55.59	100.53	36.94
11050	84.71	838.82	127.28	596.09	192.37
7690	84.66	238.76	91.24	60.07	120.66
969	84.65	221.39	116.26	54.63	60.9
3794	84.65	98.73	36.78	31.72	46.53
11660	84.58	132.32	20.04	95.48	33.62
12613	84.55	155.89	38.68	96.23	46.52
12585	84.52	893.65	169.22	605.13	137.5
17049	84.47	209.93	47.28	339.28	99.57
22916	84.45	529.34	78.41	346.84	147.33
9191	84.42	245.63	155.17	697.91	283.09
4090	84.42	830.26	105.56	603.48	151.54
25686	84.39	1008.27	167.91	717.85	185.05
17502	84.36	150.71	46.17	82.47	49.96
3757	84.34	138.56	33.71	78.23	40.92
8430	84.2	106.84	22.53	62.05	26.66
17393	84.17	246.82	65.21	139.52	81.33
17174	84.17	77.26	26.33	42.58	17.86
22196	84.17	86.58	25.8	47.5	31.75
3823	84.17	759.08	172.82	524.5	177.51
16610	84.15	256.08	55.99	146.34	74.84
3916	84.15	984.74	203.68	1546.53	408.03
25718	84.14	685.09	130.78	433.33	109.06
21466	84.13	3525.99	1023.2	6579.04	2976.48
356	84.02	63.78	32.89	147.29	65.08
24469	83.99	818.37	140.61	619.4	199.26
20380	83.94	75.74	35.74	170.48	70.01

TABLE 5HHH: CHOLESTASIS					
Timepoint(s): Various					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16204	83.88	1044.4	175.43	765.11	201.21
8984	83.83	273.94	46.55	179.32	58.33
17123	83.8	160.3	29.04	107.96	36.32
16205	83.8	1480.52	214.2	1093.2	259.7
18277	83.77	949.13	94.46	737.39	140.15
16947	83.75	772.85	169.41	1158.46	321.33
20299	83.69	338.61	214.95	730.99	246.16
968	83.66	493.11	219.76	171.58	122.72
24235	83.61	475.37	123.19	327.74	169.14
23220	83.53	143.64	48.36	83.95	29.08
18318	83.53	210.02	85.94	86.19	63.17
20862	83.51	145.45	46.39	274.22	96.68
25443	83.51	731.83	177.75	1122.89	336.53
4235	83.43	491.5	85.11	325.66	121.73
18573	83.37	187.56	28.65	132.44	33.53
8426	83.34	60.2	17.67	37.11	20.62
20716	83.27	1114.83	155.81	1649.53	473.56
4234	83.18	779.09	129.56	613.91	299.98
1308	83.18	57.53	26.59	20.45	17.92
18180	82.94	38.58	11.4	23.37	11.04
17688	82.81	81.87	20.5	55.67	29.7
20464	82.63	1202.81	204.66	1789.09	559.04
16507	82.62	138.35	26.65	93.27	34.26
18798	82.62	84.4	15.86	60.37	16.98
17894	82.61	118.25	55.13	46.28	18.26
16730	82.57	52.77	17.55	24.62	25.08
21380	82.54	90.54	18.05	70.02	33.3
25518	82.54	54.64	19.36	26.76	17.29
20864	82.4	841.24	309.89	465.92	379.19
16592	82.37	137.3	76.17	58.32	22.21
20427	82.35	998.48	99.21	789.97	160.98
9621	82.18	450.87	102.44	279.24	78.97
14989	82.16	416.45	85.91	246.2	70.72
4957	82.02	252.69	122.51	93.68	47.12
14124	81.93	87.57	23.21	53.83	62.64
19110	81.92	209.34	79.55	100.76	104.09
23895	81.92	104.84	31.06	57.01	19.33
9842	81.82	1116.05	196.07	1609.83	413.06
17549	81.79	859.77	122.88	653.65	145.85
16683	81.68	135.69	38.68	75.48	34.7
18582	81.57	352.54	70.95	230.71	71.08
21980	81.46	825.23	217.56	501.52	157.27
9620	81.46	691.46	102.17	530.85	111.08
8427	81.44	71.94	23.53	31.97	25.04
16959	81.44	455.11	81.09	337.01	83.24
24626	81.44	1300.08	141.79	1766.27	394.06
9917	81.4	123.12	58.62	48.55	17.15
16416	81.33	153.16	43.15	108.14	61.2
13369	81.31	215.38	31.05	165.73	42.32
15269	81.31	260.07	39.98	183.46	53.04
23307	81.23	92.72	18.81	67.45	26.26

TABLE 5HHH: CHOLESTASIS			Attorney Docket 44921-5033-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18492	81.17	254.19	55.76	173.22	62
19949	81.14	213.35	57.75	145.42	41.98
3987	81.04	376.65	54.58	268.65	77.43

TABLE III: HEPATITIS			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
6532	85.19	223.44	59.41	138.34	40.54
20529	84.65	685.88	500.38	113.59	138.52
13353	82.6	171.98	81.96	288.76	56.48
20354	82.57	223.1	148.24	46.67	43.96
21740	81.59	1448.49	618.99	715.13	252.93
4969	81.5	904.09	601.25	243.18	209.99
22515	80.96	1196	1162.05	94.19	281.83
19769	80.58	1257.27	435.1	740.27	235.92
960	80.5	131.11	51.24	218.3	64.52
2161	80.33	1075.21	600.78	346.34	227.87
20698	80.3	1903.78	966.73	866.13	377.41
3773	80.19	205.25	126.8	63.46	51.98
17709	80.19	102.6	51.82	35.96	40.49
12587	80.14	48.63	39.86	111.33	47.26
3121	80.11	443.89	231.43	830.94	241.08
13167	79.98	76.27	20.48	115.28	31.01
21025	79.98	32.06	41.16	90.49	50.94
19411	79.92	93.71	56	32	16.5
20701	79.89	1739.07	815.35	854.66	336.97
22619	79.87	518.38	182.48	293.49	105.78
12577	79.78	547.97	398.82	145.74	108.54
21125	79.62	94.31	73.69	222.98	91.57
4244	79.6	93.61	33.17	155.43	48.67
21281	79.54	208.78	63.76	310.16	78.18
24200	79.37	955.52	460.95	423.15	223.45
26133	79.35	453.37	246.61	184.07	211.62
17664	79.26	619.55	303.89	269.89	142.81
8215	79.18	640.26	221.32	379.61	125.48
16809	79.13	94.45	67.95	27.69	19.96
11536	79.08	300.55	93.01	508.41	193.96
14491	79.07	250.4	82.02	155.54	63.55
17591	78.99	222.63	90.4	126.46	38.38
15170	78.91	110.06	56.54	199.04	54.54
18389	78.86	53.99	32.24	20.78	29.03
22017	78.75	280.47	150.04	120.99	87.23
21209	78.74	273.68	209.93	77.74	69.54
10532	78.64	431.38	138.95	274.62	87.95
8522	78.61	356.62	203.78	143.76	58.49
1221	78.58	393.01	336	21.14	86.43
9053	78.56	31.52	31.1	75.91	32.25
14208	78.56	82.48	35.65	142.67	50.27
22018	78.55	300.65	112.77	170.83	85.85
18159	78.37	136.04	53.91	74.52	74.28
7451	78.28	1775.99	568.64	1119.65	275.04
19410	78.28	143.96	40.96	86.38	28.24
1223	78.28	235.78	82.05	134.5	79.38
2430	78.25	66.49	41.52	22.48	26.71
15426	78.1	192.78	42.26	268.57	62.27
24225	78.04	291.99	74.98	386.24	86.65
2557	78.03	66.88	28.9	34.66	15.3
11205	77.99	664.5	183	929.43	242.75

TABLE 5III: HEPATITIS Timepoint(s): Various					
Attorney Docket 44921-5088-01-WO Document No. 1935828.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
6720	77.98	140.71	111.52	28.02	95.66
22569	77.96	88.79	42.82	150.58	55.53
11202	77.95	86.3	29.93	54.75	17.96
21073	77.6	373.06	105.13	248.97	69.63
14502	77.6	233.68	61.43	165.14	45.27
13332	77.58	121.59	76.28	232.63	81.86
23583	77.38	136.19	75.07	55.12	36.14
5622	77.38	2247.02	593.25	1573.74	347.68
8917	77.38	102.79	62.89	40.81	40.57
19729	77.28	213.35	151.18	565.29	328.65
15004	77.27	357.34	139.02	235.19	156.73
1841	77.21	153.51	107.56	44	45.85
21078	77.19	488.43	145.36	746.56	212.27
19	77.16	966.28	335.28	580.05	197.2
15961	77.16	114.38	66.55	46.93	42.39
3189	77.09	49.68	25.45	114.42	63.8
19412	77.08	641.91	207.2	379.3	104.76
21977	77.08	398.26	213.07	717.73	213.65
14776	77.08	85.43	50.5	149.81	48.13
25702	77.05	672.27	202.24	489.5	173.42
6479	77.05	1684.29	565.47	1022.32	369.89
21150	77.05	166.05	123.27	40.17	128.71
5384	76.91	107.89	92.63	24.83	58.5
11693	76.87	183.04	140.9	415.11	242.1
4868	76.81	178.55	64.21	277.21	75.52
344	76.72	2148.77	782.81	1250.16	527.97
23978	76.65	53.63	24.46	81.63	29.84
6825	76.62	292.14	112.44	431.5	114.14
16327	76.59	337.83	147.3	550.45	154.29
23182	76.59	80.19	38.97	164.37	75.73
23558	76.51	205.54	94.8	335.04	80.06
10069	76.51	239.3	65.49	162.7	76.74
23783	76.4	367.82	144.98	560.24	130.04
14937	76.35	74.26	31.25	121.15	36.46
13479	76.35	260.63	105.66	409.62	121.8
11423	76.31	59.15	30.69	33.16	14.65
15606	76.29	439.18	116.76	616.36	137.2
11191	76.27	386.22	395.68	1160.14	753.05
25691	76.24	1112.37	213.01	880.46	306.88
6262	76.16	306.86	97.6	464.02	145.84
5339	76.12	1087.88	582.58	484.12	233.06
11426	76.12	204.72	106.99	119.44	48.38
12277	76.1	114.66	79.06	30.78	36.57
12301	76.07	227.8	89.7	135.03	63.88
2670	76.07	94.76	84.47	219.55	117.6
6263	76.05	196.73	68.43	295.27	100.4
25480	76.02	346.3	188.86	614.37	187.63
17590	75.99	186.99	97.44	103.68	41.56
9712	75.99	48.43	38.82	87.6	37.71
2536	75.99	216.57	171.6	610.36	344.96
15700	75.96	315.13	95.29	452.97	122.6

TABLE 5III: HEPATITIS: Attorney Docket 44921-5038-01-WO					
Timepoint(s): Various Document No. 1935323.1					
CLIC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16993	75.96	684.13	410.26	1070.23	283.86
18564	75.96	263.96	90.74	385.53	95.12
1809	75.93	1186.61	1256.28	100.37	691.24
17589	75.9	103.12	74.72	31.28	29.34
1844	75.66	240.62	130.36	110.96	56.37
18723	75.36	414.12	98.63	560.47	124.86
1409	75.36	258.24	108.2	416	110.72
21707	75.17	129.5	88.96	38.35	48.56
9905	75.17	448.73	140.85	653.71	147.4
16134	75.12	50.24	33.8	107.77	54.16
43	75.04	275.18	107.99	440.5	129.15
1127	75.01	54.77	35.42	132.68	106.49
14997	74.97	727.29	466.27	274.5	256.4
19952	74.87	73.16	36.85	129.15	51.29
20523	74.86	213.55	195.22	43.75	52.13
25370	74.85	73.05	47.97	159.16	91.66
1850	74.76	3940.44	2490.47	2421.78	994.13
12312	74.73	633.19	253	983.49	261.14
17567	74.73	1374.9	222.13	1176.07	213.88
15410	74.71	261.99	54.95	355.34	84.5
794	74.65	494.55	292.28	812.28	219.24
11959	74.6	62.74	24.79	98.12	31.21
22867	74.6	181.38	56.74	253.14	66.42
20248	74.57	36.29	11.89	23.9	15.77
11904	74.51	120.95	65.02	58.58	41.48
17883	74.49	32.83	10.85	22.09	15.53
851	74.32	325.42	112.25	440.25	103.99
23321	74.27	157.42	87.01	240.68	62.64
1578	74.22	24.28	13.7	44.84	17.94
19103	74.21	515.02	246.96	752	230.58
811	74.1	487.49	178.05	682.5	143.93
10109	74.07	1328.91	368.41	1038.15	211.11
4590	74	31.31	22.8	52.03	26.82
3292	73.94	4673.65	3021.02	2495.2	1241.78
15002	73.94	218.02	94.89	138.71	73.56
1561	73.91	1227.46	383.54	861.17	205.43
699	73.85	905.09	272.9	601.96	143.39
15378	73.78	75.68	28.98	120.31	37.39
4198	73.77	1367.98	283.56	1081.44	224.98
19443	73.73	930.76	318.25	1381.35	432.79
11203	73.69	72.98	35.89	41.44	16.27
13480	73.67	492.44	158.54	735.66	179.45
24219	73.66	598.86	272.69	373.62	181.18
18695	73.62	73.29	25.91	117.33	47.28
3131	73.62	281.05	109.32	441.09	153.75
17894	73.45	71.39	25.91	46.5	20.4
15652	73.45	1849.73	323.35	1491.36	363.06
25317	73.39	1991.17	610.79	1364.85	451.42
23044	73.34	224.47	70.74	150.77	54.5
12606	73.34	505.74	307.66	748.02	233.25
1843	73.31	49.54	24.82	28.93	15.86

TABLE 511: HEPATITIS					
Timepoint(s): Various					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16726	73.29	545.56	188.44	799.89	192.44
18453	73.26	326.42	276.99	652.91	259.76
134	73.26	65.63	53.79	119.84	51.3
412	73.25	2812.13	1414.38	1604.48	771.99
21709	73.23	234.87	45.04	192.24	46.77
20	73.12	543.32	225.55	340.68	128.61
14139	73.12	34.81	15.11	53.35	18.1
11635	73.07	201.89	80.06	294.54	87.37
1694	73.06	1340.6	291.11	1067	228.73
15191	73.04	3258.78	2347.81	1154.02	1229.65
14933	72.93	35.74	28.33	51.32	21.05
1753	72.91	268.73	115	446.66	170.87
23445	72.88	109.37	89.84	239.79	130.02
1583	72.87	49.4	24.94	27.97	13.12
9826	72.85	28.76	25.99	51.99	20.68



TABLE 5JUU: HEPATITIS					
Timepoint(s): Various			Attorney Docket 44921-5038-01-WO		
GLGC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20529	84.65	685.88	500.38	113.59	138.52
13353	82.6	171.98	81.96	288.76	56.48
4969	81.5	904.09	601.25	243.18	209.99
22515	80.96	1196	1162.05	94.19	281.83
19769	80.58	1257.27	435.1	740.27	235.92
960	80.5	131.11	51.24	218.3	64.52
2161	80.33	1075.21	600.78	346.34	227.87
20698	80.3	1903.78	966.73	866.13	377.41
17709	80.19	102.6	51.82	35.96	40.49
3773	80.19	205.25	126.8	63.46	51.98
12587	80.14	48.63	39.86	111.33	47.26
21025	79.98	32.06	41.16	90.49	50.94
13167	79.98	76.27	20.48	115.28	31.01
19411	79.92	93.71	56	32	16.5
12577	79.78	547.97	398.82	145.74	108.54
21125	79.62	94.31	73.69	222.98	91.57
4244	79.6	93.61	33.17	155.43	48.67
24200	79.37	955.52	460.95	423.15	223.45
26133	79.35	453.37	246.61	184.07	211.62
8215	79.18	640.26	221.32	379.61	125.48
11536	79.08	300.55	93.01	508.41	193.96
14491	79.07	250.4	82.02	155.54	63.55
17591	78.99	222.63	90.4	126.46	38.38
15170	78.91	110.06	56.54	199.04	54.54
22017	78.75	280.47	150.04	120.99	87.23
21209	78.74	273.68	209.93	77.74	69.54
10532	78.64	431.38	138.95	274.62	87.95
8522	78.61	356.62	203.78	143.76	58.49
9053	78.56	31.52	31.1	75.91	32.25
22018	78.55	300.65	112.77	170.83	85.85
18159	78.37	136.04	53.91	74.52	74.28
1223	78.28	235.78	82.05	134.5	79.38
7451	78.28	1775.99	568.64	1119.65	275.04
2430	78.25	66.49	41.52	22.48	26.71
15426	78.1	192.78	42.26	268.57	62.27
24225	78.04	291.99	74.98	386.24	86.65
2557	78.03	66.88	28.9	34.66	15.3
11205	77.99	664.5	183	929.43	242.75
6720	77.98	140.71	111.52	28.02	95.66
22569	77.96	88.79	42.82	150.58	55.53
11202	77.95	86.3	29.93	54.75	17.96
14502	77.6	233.68	61.43	165.14	45.27
21073	77.6	373.06	105.13	248.97	69.63
8917	77.38	102.79	62.89	40.81	40.57
5622	77.38	2247.02	593.25	1573.74	347.68
23583	77.38	136.19	75.07	55.12	36.14
19729	77.28	213.35	151.18	565.29	328.65
15004	77.27	357.34	139.02	235.19	156.73
1841	77.21	153.51	107.56	44	45.85
21078	77.19	488.43	145.36	746.56	212.27
15961	77.16	114.38	66.55	46.93	42.39

TABLE 5JJJ: HEPATITIS			Attorney Docket 44921-5033-01-WO		
Timepoint(s): Various			Document No. 1935823.1		
GLC#					
Identifier #	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
19	77.16	966.28	335.28	580.05	197.2
3189	77.09	49.68	25.45	114.42	63.8
14776	77.08	85.43	50.5	149.81	48.13
21977	77.08	398.26	213.07	717.73	213.65
21150	77.05	166.05	123.27	40.17	128.71
6479	77.05	1684.29	565.47	1022.32	369.89
25702	77.05	672.27	202.24	489.5	173.42
11693	76.87	183.04	140.9	415.11	242.1
4868	76.81	178.55	64.21	277.21	75.52
344	76.72	2148.77	782.81	1250.16	527.97
23978	76.65	53.63	24.46	81.63	29.84
23182	76.59	80.19	38.97	164.37	75.73
16327	76.59	337.83	147.3	550.45	154.29
10069	76.51	239.3	65.49	162.7	76.74
23558	76.51	205.54	94.8	335.04	80.06
23783	76.4	367.82	144.98	560.24	130.04
13479	76.35	260.63	105.66	409.62	121.8
14937	76.35	74.26	31.25	121.15	36.46
11191	76.27	386.22	395.68	1160.14	753.05
25691	76.24	1112.37	213.01	880.46	306.88
6262	76.16	306.86	97.6	464.02	145.84
11426	76.12	204.72	106.99	119.44	48.38
5339	76.12	1087.88	582.58	484.12	233.06
12277	76.1	114.66	79.06	30.78	36.57
2670	76.07	94.76	84.47	219.55	117.6
12301	76.07	227.8	89.7	135.03	63.88
6263	76.05	196.73	68.43	295.27	100.4
25480	76.02	346.3	188.86	614.37	187.63
2536	75.99	216.57	171.6	610.36	344.96
17590	75.99	186.99	97.44	103.68	41.56
3452	75.99	98.23	77.85	29.92	28.12
15700	75.96	315.13	95.29	452.97	122.6
18564	75.96	263.96	90.74	385.53	95.12
13513	75.96	176.8	41.22	123.35	44.29
16993	75.96	684.13	410.26	1070.23	283.86
13697	75.94	38.01	20.64	58.31	20.35
1809	75.93	1186.61	1256.28	100.37	691.24
6033	75.91	713.46	213.45	999.25	270.65
10918	75.9	241.58	88.86	159.25	57.98
17589	75.9	103.12	74.72	31.28	29.34
19220	75.88	136.17	39.34	187.84	57.74
19575	75.88	226.17	66.98	324.7	94.79
12736	75.85	128.87	69.66	70.72	34.35
20524	75.79	126.78	129.45	20.23	38.43
10710	75.72	118.91	34.5	178.74	58.97
4330	75.69	1032.49	499.42	1534.42	449.57
23547	75.69	245.18	72.35	165.13	44.53
7122	75.66	604.13	225.95	399.08	93.85
1844	75.66	240.62	130.36	110.96	56.37
18723	75.36	414.12	98.63	560.47	124.86
1409	75.36	258.24	108.2	416	110.72

TABLE 5JJJ: HEPATITIS			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21707	75.17	129.5	88.96	38.35	48.56
9905	75.17	448.73	140.85	653.71	147.4
16134	75.12	50.24	33.8	107.77	54.16
43	75.04	275.18	107.99	440.5	129.15
1127	75.01	54.77	35.42	132.68	106.49
14997	74.97	727.29	466.27	274.5	256.4
19952	74.87	73.16	36.85	129.15	51.29
20523	74.86	213.55	195.22	43.75	52.13
1850	74.76	3940.44	2490.47	2421.78	994.13
12312	74.73	633.19	253	983.49	261.14
17567	74.73	1374.9	222.13	1176.07	213.88
15410	74.71	261.99	54.95	355.34	84.5
794	74.65	494.55	292.28	812.28	219.24
11959	74.6	62.74	24.79	98.12	31.21
22867	74.6	181.38	56.74	253.14	66.42
20248	74.57	36.29	11.89	23.9	15.77
17883	74.49	32.83	10.85	22.09	15.53
851	74.32	325.42	112.25	440.25	103.99
23321	74.27	157.42	87.01	240.68	62.64
1578	74.22	24.28	13.7	44.84	17.94
19103	74.21	515.02	246.96	752	230.58
811	74.1	487.49	178.05	682.5	143.93
10109	74.07	1328.91	368.41	1038.15	211.11
4590	74	31.31	22.8	52.03	26.82
3292	73.94	4673.65	3021.02	2495.2	1241.78
15002	73.94	218.02	94.89	138.71	73.56
1561	73.91	1227.46	383.54	861.17	205.43
699	73.85	905.09	272.9	601.96	143.39
15378	73.78	75.68	28.98	120.31	37.39
4198	73.77	1367.98	283.56	1081.44	224.98
19443	73.73	930.76	318.25	1381.35	432.79
11203	73.69	72.98	35.89	41.44	16.27
13480	73.67	492.44	158.54	735.66	179.45
24219	73.66	598.86	272.69	373.62	181.18
18695	73.62	73.29	25.91	117.33	47.28
3131	73.62	281.05	109.32	441.09	153.75
17894	73.45	71.39	25.91	46.5	20.4
15652	73.45	1849.73	323.35	1491.36	363.06
25317	73.39	1991.17	610.79	1364.85	451.42
23044	73.34	224.47	70.74	150.77	54.5
12606	73.34	505.74	307.66	748.02	233.25
1843	73.31	49.54	24.82	28.93	15.86
16726	73.29	545.56	188.44	799.89	192.44
18453	73.26	326.42	276.99	652.91	259.76
134	73.26	65.63	53.79	119.84	51.3
412	73.25	2812.13	1414.38	1604.48	771.99
21709	73.23	234.87	45.04	192.24	46.77
20	73.12	543.32	225.55	340.68	128.61
14139	73.12	34.81	15.11	53.35	18.1
11635	73.07	201.89	80.06	294.54	87.37
1694	73.06	1340.6	291.11	1067	228.73

TABLE 5JJJ: HEPATITIS			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15191	73.04	3258.78	2347.81	1154.02	1229.65
14933	72.93	35.74	28.33	51.32	21.05
1753	72.91	268.73	115	446.66	170.87
23445	72.88	109.37	89.84	239.79	130.02
1583	72.87	49.4	24.94	27.97	13.12
9826	72.85	28.76	25.99	51.99	20.68
16472	72.8	22.42	11.5	47.24	28.65
25052	72.79	283.57	334.72	25.65	120.49
1572	72.79	111.28	42.96	72.06	31.45
20090	72.76	180.42	102.74	107.22	36.61
19244	72.74	1396.24	317.12	1097.32	242.02
15612	72.72	188.45	134.19	453.11	329.12
10248	72.66	44.57	22.72	25.35	25.09
1558	72.66	49.45	32.85	93.19	39.59
107	72.64	77.74	35.72	131.66	73.29
15387	72.6	665.35	155.05	516.09	117.06
15313	72.52	58.54	44.05	26.75	36.48

TABLE 5KKK: HUMAN-SPECIFIC				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLIC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22840	84.24	1437.82	354.49	869.42	254.39
21977	83.48	394.62	163.59	711.62	218.59
22628	83.17	24.41	23.17	71.81	35.19
11728	82.46	396.78	157.22	193.35	227.55
10176	82.2	286.02	83.53	442.98	97.63
25370	81.97	58.97	31.75	157.69	91.68
12083	81.88	123.62	40.01	245.58	116.05
12422	81.87	44.25	11.06	69.18	21.54
11726	81.81	256.56	118.57	137	181.69
12082	81.78	138.78	63.81	334.33	158.96
13332	81.75	124.87	45.9	230.44	83.51
23558	81.5	227.72	74.88	332.25	83
17400	81.39	230.72	82.17	107.7	67.04
19412	81.18	625.46	163.44	384.58	114.96
1114	81.09	781.13	150.16	564.27	206.35
3431	81.05	1422.28	244.27	1039.62	311.19
7451	80.88	1704.79	485.07	1133.26	301.45
21933	80.67	7289.09	1187.54	4974.89	1772.86
2905	80.54	330.91	78.71	499.51	190.91
22018	80.53	275.1	87.29	173.67	89.09
24200	80.46	1111.18	554.09	431.33	233.89
921	80.31	20.08	13.18	43.23	18.5
13353	80.16	176.88	80.17	286.44	59.45
19145	79.95	373.59	66.2	293.21	67.08
10184	79.9	66.91	31.6	122.21	58.89
20744	79.88	934.9	509.63	340.73	292.71
14997	79.7	808.58	498.6	282.14	266.62
6720	79.7	137.35	104.08	30.23	97.39
19410	79.65	147.55	38.33	87.45	29.57
18695	79.62	62.1	17.65	116.63	47.24
17496	79.55	70.11	50.43	258.48	181.02
1957	79.52	2181.43	386.64	1405.97	584.79
6919	79.51	968.3	521.33	336.6	282.78
10169	79.39	174.71	62.99	97.31	43.79
20778	79.39	48.01	20.52	74.39	18.42
21209	79.38	323.79	227.65	80.84	76.99
18795	79.31	1021.62	404.03	535.47	193.73
21968	79.29	91.57	32.36	155.66	63.73
23031	79.28	26.23	24.22	91.16	71.8
18564	79.25	261.49	76.52	383.22	96.61
9432	79.23	85.63	33.77	50.87	37.6
402	79.13	2057.39	710.38	1195.52	401.96
6044	79.09	980.67	209.4	751.52	209.84
11191	79.02	390.46	293.11	1145.16	755.97
12140	79.02	138.58	27.68	90.34	64.51
19092	78.97	3663.99	526.05	2786.47	684.63
14312	78.89	378.06	65.93	495.88	137.48
17709	78.88	107.24	59.27	37.18	41.53
12108	78.86	246.95	59.37	355.54	99.6
3073	78.82	32.6	23.82	102.18	90.8
20	78.75	594.54	222.67	343.9	133

TABLE 5K4K: HUMAN-SPECIFIC					
Timepoint(s): Various					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20042	78.73	1003.07	216.55	645.21	257.9
21707	78.73	162.01	111.15	39.68	49.73
22452	78.7	960.47	557.34	392.16	328.5
7583	78.68	228.76	126.78	49.16	123.23
2514	78.64	993.58	369.54	543.64	280.42
2161	78.49	1045.81	594.64	360.79	261.88
12306	78.46	2478.81	1208.77	1128.61	492.12
11727	78.4	292.65	143.54	183.04	242.97
22906	78.33	1389.24	754.41	551.23	409.34
2242	78.29	3622.99	1276.38	2414.77	867.53
19575	78.25	218.29	50.87	322.91	95.32
13389	78.13	22.03	24.27	52.75	25.56
21125	78.06	102.32	88.94	220.39	92.92
4017	77.98	52.57	15.23	76.26	29.77
15191	77.95	3619.23	2031.67	1189.78	1291.95
23029	77.95	309.4	199.62	774.42	457.96
5523	77.87	832.64	284.21	457.1	305.15
1221	77.83	321.74	281.91	29.27	114.79
18397	77.8	59.44	18.44	39.4	28.71
14425	77.8	1489.83	906.78	442.39	416.21
20354	77.75	217.48	158.68	50.15	53.78
3773	77.72	169.93	103.2	66.67	59.37
8600	77.69	25.88	38.63	81.46	56.67
23569	77.63	185.99	54.76	261.79	59.35
6986	77.63	222.4	51.16	150.37	58.74
18660	77.63	78.49	24.98	130.16	52.58
4002	77.63	88.99	20.17	127.35	41.79
13479	77.62	273.15	118.63	406.58	123.27
22340	77.6	337.31	92.44	529.36	183.71
21940	77.56	272.48	81.53	394.79	112.01
1639	77.55	135.8	40.16	197.55	45.66
17768	77.54	606.75	115.77	772.57	144.1
1805	77.49	2206.4	549.17	1444.53	630.29
5339	77.48	1249.53	696.92	493.6	248.82
11504	77.45	449.62	157.25	708.33	224.61
17132	77.43	4521.4	997.41	3453.96	1046.97
15189	77.41	4278.64	2464.35	1627.27	1623.23
19	77.37	1037.61	366.95	586.54	205.06
16680	77.32	230.94	115.18	400.82	135.74
23608	77.29	827.62	365.14	393.95	179.15
3722	77.27	598.89	155.66	394.17	143.77
21679	77.27	34.85	16.31	61.91	24.06
10710	77.24	115.76	28.9	177.63	59.17
20542	77.24	149.29	26.62	116.42	42
4703	77.2	743.74	280.28	419.12	237.06
11536	77.2	310.62	85.6	504.27	194.81
514	77.13	364.25	86.27	254.71	91.51
15700	77.11	317.02	76.81	450.28	123.79
12210	77.1	558.33	178.98	316.33	178.22
2010	76.89	3919.07	1538.49	2669.01	1250.02
12423	76.82	111.83	26.15	169.3	72.58

TABLE 5KKK: HUMAN-SPECIFIC				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
6477	76.61	3083.49	926.01	2253.54	859.82
15190	76.53	4664.62	2400.07	1803.1	1674.56
17693	76.5	113.84	37.59	211.77	128.43
1246	76.44	44.79	17.25	78.58	30.33
3131	76.2	267	103.71	438.19	154.44
20743	76.05	93.27	24.47	140.84	38.05
23368	76	36.91	21.97	76.65	35.22
19952	75.99	80.45	34.08	127.97	51.75
1973	75.98	283.34	69.05	392.8	106.86
1169	75.93	38.34	10.11	63.46	34.46
17324	75.9	247.92	83.06	380.02	117.37
21941	75.88	340.65	75.78	463.69	109.92
16449	75.86	184.98	103.27	332.27	190.55
25480	75.86	384.35	140.12	608.7	192.43
21090	75.85	82.45	43.47	147.1	55.77
26029	75.79	310.57	196.68	196.7	332.64
373	75.77	284.68	114.89	476.29	164.84
4244	75.72	102.54	49	154.12	49.13
24508	75.68	171.11	70.36	112.35	46.67
20735	75.64	285.82	128.7	188.63	132.06
14933	75.63	26.63	26.27	51.15	21.24
1409	75.57	267.04	98.98	412.84	113.05
13090	75.56	26.25	30.71	81.24	66.75
19411	75.53	70.68	27.45	33.5	21.46
17300	75.52	42.83	19.22	67.76	26.81
1731	75.52	54.61	24.66	84.25	30.69
1753	75.44	271.25	100.03	443.2	171.87
19085	75.39	146.43	58.83	86.02	45.82
851	75.35	339.64	108.01	437.84	105.59
10517	75.32	33.63	9.62	45.64	11.52
16871	75.16	39	8.86	57.34	23.73
6478	75.16	4878.91	2045.76	3213.89	1789.74
9053	75.07	28.69	28.29	75.09	32.78
20698	75.03	1766.99	880.06	887.97	428.52
15299	75.02	149.67	123.48	77.39	128.38
6013	75	2510.29	636.71	1896.39	624.56
7067	74.9	223.91	82.58	337.9	92.02
16809	74.84	79.79	55.92	29.18	24.62
13092	74.72	87.8	86.79	222.03	123.26
4234	74.63	759.33	181.76	614.35	299.69
4003	74.58	114.34	28.03	179.28	80.55
23837	74.55	33.28	9.97	55.19	26.61
1546	74.55	242.59	59.39	301.49	75.11
20701	74.52	1569.77	736.94	873.99	379.6
22515	74.45	1090.61	1299.95	116.84	354.19
11202	74.43	72.84	20.68	55.54	19.16
18727	74.41	1041.79	296.09	760.15	382.87
25064	74.4	1021.41	432.29	1190.34	355.96
1843	74.38	56.29	29.21	29.24	16.11
17468	74.35	448.74	80.13	563.38	116.21
1141	74.24	237.35	53.35	176.45	55.87

TABLE SKKK: HUMAN-SPECIFIC			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18402	74.19	48.27	14.82	69.85	21.07
22867	74.15	182.26	51.51	251.75	67.04
1792	74.02	194.59	59.08	303.36	111.8
8640	73.98	217.48	94.58	125.61	91.84
19710	73.97	335.06	92.06	238.53	107.23
20699	73.96	2777.64	805.72	2126	824.57
14004	73.9	37.61	15.31	76.03	62.83
20601	73.81	567.23	233.73	974.04	458.89
3292	73.72	4467.58	2433.76	2539.97	1352.98
1876	73.7	559.04	194.56	776.44	201.8
1170	73.68	70.66	21.59	110.77	55.21
9826	73.64	25.81	24.52	51.58	21.01
12010	73.59	69.42	18.66	106.46	37.49



TABLE 5LLL: Inducer and Liver Enlargement Timepoint(s): Various GLC Identifier					
LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD	
20915	81.71	1357.88	797.41	507.57	306.08
6673	80.12	569.69	134.49	806.36	247.49
12071	79.67	401.9	136.67	643.43	180.12
15146	79.64	113.08	46.74	226.46	110.55
17541	79.32	2743.59	1047.5	1592.85	586.82
15125	79.2	2842.86	1394.32	1608.65	535.95
4198	79.03	835.29	124.05	1099.33	230.51
14131	78.92	110.62	82.52	31.86	27.47
6479	78.51	610.47	262.11	1058.34	390.72
7022	78.41	102.69	55.02	35.25	36.09
9032	78.19	804.57	191.86	598.36	153.21
8438	77.99	45.32	29.77	95.82	44.95
4291	77.98	159.97	73.17	314.14	138.5
20724	77.92	47.7	29.7	86.32	32.64
14103	77.91	146.35	59.13	269.95	112.07
2544	77.65	147.84	46.91	224.99	67.65
17324	77.65	263.78	66.86	382.15	117.35
17401	77.32	204.21	88.35	440.87	216.67
16067	77.08	357.79	157.08	164.36	110.94
6672	77.03	50.65	17.13	78.82	25.22
12386	77.02	135.03	51.86	227.77	84.85
7223	76.99	367.26	91.11	246.51	70.47
15755	76.95	500.12	167.48	748.54	175.96
17601	76.83	57.78	25.38	103.87	39.5
17766	76.82	612.13	93.59	484.14	91.21
8820	76.67	71.07	30.02	41.75	33.08
11827	76.6	23.35	6.73	39.11	17.22
8212	76.56	2844.24	967.49	1951.8	704.21
3581	76.55	428.5	101.19	306.63	72.34
23445	76.55	100.16	72.37	240.17	130.04
17470	76.27	288.91	122.93	150.05	76.41
5497	76.2	434.15	183.08	649.4	184.65
18989	75.89	2841.79	1727.07	1431.62	573.74
1795	75.75	1189.63	728.56	510.99	334.94
21657	75.61	462.08	165.28	762.09	292.8
16703	75.55	1812.5	580.21	1147.47	357.53
15120	75.49	158.84	36.08	238.23	94.67
9805	75.48	555.5	140.45	386.54	94.93
12155	75.45	2368.04	2360.22	572.57	410.44
15127	75.3	1257.57	486.54	674.31	302.62
23917	75.26	1285.56	577.93	814.72	342
23296	75.25	495.81	137.77	330.23	95.8
4199	75.13	689.15	154.38	899.09	203.59
5496	75.08	323.55	139.72	498.43	153.01
22802	75.03	63.91	24.72	109.02	53.45
5026	75.02	32.08	39.61	122.05	86.86
3121	74.96	1226.38	402.34	804.64	231.33
1479	74.87	200.76	71.6	299.5	94.41
21056	74.79	191.7	54.91	257.01	72.37
9268	74.77	269.61	125.35	155.86	54.66
19992	74.76	881.24	236.92	614.26	213.08

TABLE 5LLL: Inducer and Liver Enlargement					
Timepoint(s): Various			Attorney Docket 44921-5038-01-WO		
GLGC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12156	74.73	2833.78	3074.47	422.63	506.52
17155	74.73	225.73	81.81	135	60.86
14208	74.71	89.89	38.85	142.45	50.46
20698	74.64	563.9	164.59	910.96	450.64
21917	74.62	30.66	14.51	76.73	66.47
15126	74.5	2113.36	872.47	1247.44	500.98
3925	74.45	1123.43	311.95	806.43	297.82
3860	74.44	715.73	289.22	383.81	143.83
14202	74.43	115.02	55.72	56.76	51.95
18295	74.4	72.77	35.66	118.51	48.1
24323	74.38	549.98	139.07	412.1	103.39
22707	74.35	29.28	15.96	53.4	24.1
18867	74.1	661.28	442.42	831.46	209.88
4093	74.06	733.35	154.45	565.09	160.3
9402	74.05	138.18	31.4	189.55	53.15
20914	74.04	1034.46	1047.32	209.39	203.19
11153	74.02	415.59	170.72	639.47	199.55
21382	74.01	124.5	34.9	182.93	63.6
4312	74	289.09	281.36	56.11	138.04
8213	73.98	5073.74	1865.14	3387.66	1342.21
14390	73.98	103.52	18.95	83.06	19.6
18749	73.96	208.45	163.58	57.88	42.14
15872	73.93	310.84	116.91	505.13	168.2
15124	73.81	2066.34	877.47	1326.87	404.07
18726	73.77	249.86	74.81	366.36	114.75
5549	73.71	93.55	51.18	42.99	65.36
15673	73.66	1183.22	314.09	911.4	183.31
3969	73.59	466.47	120.45	575.17	143.79
14586	73.57	552.83	105.46	446.44	96.58
1822	73.52	32.71	13.65	56.48	23.25
3256	73.5	1349.88	363.84	1003.68	275.51
5622	73.49	1210.26	325.65	1608.5	372.01
9296	73.45	927.31	201.31	711.93	160.38
3924	73.44	448.13	107.79	322.57	113.24
20701	73.44	580.85	171.68	893.42	395.57
8036	73.41	121.88	50.9	191.37	67.12
4250	73.41	100.43	28.79	137.62	37.73
1888	73.38	65.91	43.7	31.26	34.19
6941	73.34	109.34	62.47	34.85	59.77
7225	73.34	275.06	61.15	345.74	95.13
16320	73.31	66.47	21.72	100.68	32.33
1588	73.29	160.78	45.74	237.17	84.84
9595	73.29	128.37	36.86	182.28	57.95
21975	73.28	219.86	113.17	270.04	80.28
3963	73.26	340.36	77.76	434.04	111.09
6824	73.25	621.85	260.83	409	211.56
18900	73.23	1057.41	207.22	797.52	172.65
25056	73.17	2718.94	2431.7	874.2	469.5
12157	73.14	3128.89	3251.72	489.1	646.35
11152	73.12	173.48	100.42	339.14	140.77
21977	73.12	579.7	113.74	711.76	222.37

TABLE 5LLL: Inducer and Liver Enlargement - Attorney Docket 44921-5038-01-WO Timepoint(s): Various Document No. 1935328.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
24763	73.1	59.1	26.97	95.2	40.12
1478	73.03	313.56	101.5	426.83	118.62
25069	72.82	578.11	455.6	192.73	229.02
17752	72.78	333.01	91.76	476.24	141.38
20614	72.76	27.97	11.93	46.15	21.49
6911	72.67	177.76	39.76	235.63	75.02
4407	72.5	92.88	31.92	145.8	57.69
23321	72.48	298.34	62.2	235.95	64.35
17154	72.35	255.54	91.83	186.36	78.12
18747	72.28	424.39	283.26	146.69	103.58
1973	72.22	308.28	69.83	394.17	107.1
25087	72.2	40.05	26.66	100.94	76.02
25453	72.19	251.78	62.76	326.09	79.65
1551	72.15	753.2	363.62	1035.27	366.89
5998	72.11	143.33	48.28	203.78	71.4
18725	71.88	128.49	57.46	217.6	84.51
6055	71.73	857.56	258.28	1096.97	228.01
25281	71.66	197.38	56.7	152.9	48.14
16366	71.6	1297.79	498.27	780.6	281.32
7872	71.57	221.32	64.73	296.29	81.79
20913	71.47	1079.76	1404	244.93	188.26
2505	71.46	599.25	149.26	758.23	191.97
12087	71.43	765.1	250.74	1036.17	312.63
20299	71.43	529.36	194.11	732.03	249.09
19679	71.35	246.33	115.64	395.24	139.47
18400	71.29	30.61	11.77	50.59	24.67
7927	71.13	172.46	77.9	289.86	115.85
20429	71.06	409.47	195.57	631.67	259.92
16725	71.06	117.86	29.74	163.47	46
21012	70.93	2131.54	841.59	1497.4	545.85
20354	70.87	21.56	10.92	53.41	60.18
4242	70.85	341.78	186.52	524.19	210.15
9136	70.84	440.83	115.89	334.95	86.57
15980	70.8	47.86	18.25	64.06	23.28
6653	70.66	471.14	123.46	605.45	143.35
19730	70.65	186.08	99.69	318.05	151.39
1312	70.61	742.32	138.77	634.05	136.17
4809	70.58	42.2	10.04	61.08	25.56
64	70.56	101.58	23.87	135.61	44.32
15028	70.47	1368.28	486.36	1761.2	513.47
16217	70.35	362.58	100.1	453.79	152.13
14545	70.27	24.21	8.86	35.48	16.42
16604	70.25	59.25	26.01	86.18	33.88
15996	70.25	29.48	23.7	111.23	139.07
1640	70.24	32.97	13.51	52.85	24.55
15391	70.21	1143.73	271.75	981.39	176.45
25055	70.19	1636.52	2110.72	195.07	298.82
19287	70.16	45.92	15.88	63.95	21.46
10886	70.11	758.51	202.33	984.08	414.2
15601	70.07	438.24	151.02	307.47	75.18
1794	70.05	4051.87	2705.1	2109.88	1144.21

-1097-

TABLE 5LLL: Inducer and Liver Enlargement			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4527	70.04	23.15	7.24	33.88	14.38

TABLE 5MMM: INFLAMMATION					
Timepoint(s): Various					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4011	99.87	166.43	57.73	1821.45	677.32
21012	99.79	476.81	16.35	1520.39	567.6
16304	99.79	296.61	51.2	1499.52	504.23
634	99.79	224.82	44.49	1536.28	417.92
16726	99.76	297.93	10.7	792.74	196.34
25525	99.76	172.66	36.36	1350.98	364.18
14495	99.74	78.02	13.42	323.78	111.6
24728	99.71	28.74	8.28	261.59	84.08
15	99.71	92.36	1.44	44.8	21.18
2997	99.68	88.08	5.9	375.4	119.98
11904	99.68	268.62	16.95	60.15	42.8
9214	99.66	880.52	97.9	273.93	150.19
18244	99.66	1182.44	47.71	542.72	137.87
635	99.63	188.18	84.64	1577.16	483.16
20872	99.63	1345.63	38.66	763.45	262.47
22598	99.63	3246.17	212.74	992.6	344.02
574	99.6	251.77	18.84	94.44	165.34
23651	99.6	65.74	17.19	20.61	97.18
22042	99.6	6153.73	992.13	233.68	1107.91
9845	99.6	3806.95	827.59	124.33	892.61
16416	99.58	288.07	16.78	108.4	60.71
15004	99.58	1695.49	240.53	236.04	142.5
5059	99.55	324.13	47.19	79.53	249.59
18580	99.55	1019.69	40.31	224.66	139.63
5969	99.52	362.85	61.79	1180.73	390.03
24860	99.5	32.25	5.22	391.3	272.54
4012	99.44	284.76	99.62	2441.81	1157.15
1641	99.44	275.36	14.85	110.29	51.67
9905	99.44	166.04	20.66	648.12	150.08
1600	99.42	80.25	4.34	37.92	93.41
3134	99.39	375.27	108.07	38.07	41.15
20915	99.39	98.85	6.27	536.36	365.97
13563	99.36	455.07	25.07	1185.43	356.64
154	99.36	501.9	58.32	165.9	60.49
20589	99.36	125.48	13.65	25.15	26.99
5967	99.34	203.14	33.53	867.88	367.62
21285	99.34	1157.81	137.93	100.17	161.93
309	99.31	1271.05	75.47	694.09	136.68
9215	99.31	1095.45	215.49	315.14	205.97
25052	99.31	1613.62	302.24	30.62	119.49
1221	99.28	197.14	26.41	32.78	122.89
16367	99.28	137.22	105.71	1420.14	541.97
4914	99.28	47.79	18.73	481.47	150.36
15002	99.26	812.99	200.75	139.85	68.61
16081	99.23	580.07	45.01	127.63	197.04
16366	99.23	126.39	27.16	798.97	303.77
6911	99.23	57.47	6.74	234.1	74.48
1809	99.23	6297.41	1822.96	122.34	681.56
6614	99.23	118.9	26.54	907.33	269.4
18618	99.21	1838.27	88.48	1149.65	214.57
3548	99.21	174.92	5.09	79.79	30.13

TABLE 5MMM: INFLAMMATION					
Timepoint(s): Various			Attorney Docket 44921-5038-01-WO		
			Document No. 1935828.1		
GLCC Identifier	LDA Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14964	99.18	161.42	102.69	1006.2	317.11
22512	99.18	354.47	227.36	30.39	59.45
1602	99.18	170.64	16.69	467.13	108.67
10109	99.18	1938.46	117.34	1045.64	220.17
8584	99.15	144.43	32.68	1400.37	635.95
10071	99.13	90.84	33.37	30.7	24.06
22522	99.13	112.21	12.19	248.85	63.35
15741	99.13	317.97	109.01	1252.69	388.68
17541	99.13	316.82	124.41	1633.35	638.47
21522	99.13	765.82	52.59	164.35	209.31
11416	99.13	283.22	20.98	115.75	35.97
25802	99.13	516.44	15.56	257.7	80.46
15872	99.13	73.07	25.46	499.66	169.35
4636	99.13	457.49	50.41	74.1	125.75
21660	99.13	5230.59	324.32	1744.04	720.76
20529	99.13	1181.01	95.34	129.82	185.65
6615	99.1	89.58	20.45	438.68	128.87
20448	99.07	159	29.63	42.64	73.93
6263	99.07	77.77	18.31	292.55	100.65
1561	99.07	1985.06	196.05	870.62	217.06
14767	99.07	69.48	6.08	310.71	115.85
11849	99.07	1291.53	27.15	746.01	163.9
14384	99.07	542.05	32.59	247.13	63.39
2855	99.07	794.02	58.03	420.6	87.21
20249	99.05	78.03	10.56	24.83	20.92
15185	99.05	263.18	54.68	60.65	100.78
24469	99.05	1244.67	166.79	620.92	197.95
17333	99.05	148.37	21.45	51.16	34.11
12779	99.05	451.8	238.57	67.96	54.36
8273	99.05	219.01	79.36	43.6	33.76
20810	99.05	2037.68	83.17	1154.93	263.95
18385	99.05	178.44	102.58	21.57	29.85
22515	99.05	4183.61	1044.52	121.12	348.28
20864	99.02	55.18	25.79	472.15	380.76
5920	99.02	67.33	29.28	461.44	217.92
17324	99.02	81.82	19.34	378.9	117.26
24589	99.02	395.8	197.61	55.53	53.19
19411	99.02	111.17	7.01	33.82	21.69
25313	99.02	312.92	23.51	99.39	60.94
6823	99.02	814.26	140	251.11	106.22
8215	99.02	873.46	52.7	386.99	135.82
23005	98.99	270.87	18	124.39	86.19
20055	98.99	304.31	43.15	67.96	73.87
10984	98.99	79.7	65.47	1058.22	304.87
20944	98.99	1456.36	145.65	619.91	160.17
6532	98.99	317.77	23.11	140.71	43.19
5175	98.97	344.51	77.31	40.15	62.99
4969	98.97	2466.07	420.51	259.82	239.47
1678	98.94	22.06	13.4	124.71	41.32
2744	98.94	510.03	36.96	207.36	83.36
15503	98.91	181.26	37.44	64.23	59.72

-1100-

TABLE 5MMM: INFLAMMATION					
Timepoint(s): Various					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18001	98.91	196.94	39.51	718.21	179.34
682	98.91	664.18	326.43	109.18	95.85
17284	98.89	66.24	7.09	184.56	54.71
20462	98.89	1386.9	54.08	832.62	161.68
22513	98.89	6801.87	2063.44	24.21	724.48
24228	98.89	1963.56	170.96	977.17	260.22
23825	98.89	98.15	18.36	38.05	25.86
7427	98.86	242.61	40.71	32.31	29.32
18611	98.86	2091.17	198.59	1139.38	540.19
16080	98.83	333.96	51.66	71.05	142.79
20354	98.83	352.09	24.78	51.73	57.92
155	98.83	242.82	80.27	41.45	24.98
5667	98.83	1364.04	112.29	816.08	305.28
18750	98.81	372.57	8.69	246.42	71.72
22321	98.73	445.71	89.53	76.62	108.24
4178	98.73	79.54	11.94	39.39	54.77
10949	98.73	390.51	153.27	1874.53	687.28
18250	98.73	1694.19	100.64	952.01	198.91
12606	98.7	161.97	57.03	741.43	238.52
1893	98.7	164.59	74.91	31.84	31.29
5496	98.68	113.96	19.27	493.5	154.89
20701	98.68	2698.56	266.1	879.33	385.5
1572	98.65	172.32	13.47	73.12	32.33
19469	98.62	124.43	69.52	477.5	113.18
25675	98.62	1145.98	19.45	741.67	207.51
25687	98.62	2034.6	159.67	1275.29	658.59
21643	98.6	1666.53	167.12	891.15	220.23
24771	98.57	119.53	97.47	1109.43	314.81
20523	98.57	316.37	52.14	48.66	67.77
15626	98.57	2208.57	185.27	1329.28	250.81
18989	98.54	247.79	152.33	1480.44	689.51
20716	98.54	776.01	61.15	1643.73	473.59
15652	98.54	2214.91	91.58	1501.41	366.17
20698	98.54	3387.66	619.21	894.32	433.33
2667	98.52	317.82	43.77	809.25	200.01
1550	98.49	50.78	24.28	431.87	211.34

TABLE SNNN: MIXED PHENOTYPE					
Timepoint(s): Various					
GLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15606	92.7	412.43	50.49	612.23	139.47
17468	90.25	410.3	42.97	563.07	116.14
18205	89.82	480.72	76.4	339.59	71.76
14776	89.71	61.13	17.01	148.43	49.08
22234	89.1	79.85	26.18	178.54	75.64
17815	89.03	26.23	5.3	48.32	16.77
15839	88.95	220.7	34.76	335.35	86.86
7471	88.84	407.22	36.15	279.68	82.3
7451	88.49	1846.84	394.18	1135.17	304.16
23029	88.49	260.89	97.85	772.33	458.06
373	88.33	247.66	84.94	475.56	164.96
22576	88.25	357.22	45.51	533.08	147.97
8917	88.06	135.29	33.22	42.07	42.14
18004	87.96	92.08	21.4	46.91	31.01
10517	87.93	28.24	5.52	45.62	11.51
1221	87.9	452.34	259.89	29.78	115.45
22840	87.9	1482.55	321.1	872.09	257.88
17906	87.88	313.01	33.46	430.96	164.33
20354	87.82	265.34	136.23	50.66	55.35
3452	87.5	123.4	67.38	31.39	31.8
12010	87.5	59.13	8.23	106.34	37.45
5523	87.37	942.67	163.26	458.22	305.69
20698	87.31	2157	938.68	889.54	428.25
23182	87.21	60.66	18.87	162.46	76.03
15170	87.05	88	42.55	197.03	56.09
23868	87.05	572.56	249.48	233.19	689.52
18764	87	4231.54	412.67	2944.99	1125.39
8237	86.94	161.57	36.09	90.17	35.5
1559	86.89	26.1	11.99	70.02	31.11
2161	86.83	1230.61	509.54	362.96	266.46
1798	86.73	4289.24	454.68	2784.74	1334.1
24200	86.64	1254.47	432.46	433.81	240.17
21707	86.64	180.08	79.1	40.18	51.11
10659	86.59	525.17	203.07	155.42	136.23
9423	86.54	1605.09	545.19	809.21	289.07
3292	86.48	5908.23	1756.38	2538.72	1353.64
16859	86.4	591.89	237.41	232.23	107.45
23030	86.39	156.55	74.24	485.91	306.9
6478	86.36	6014.17	823.68	3213.69	1791.32
402	86.3	2430.03	637.91	1197.13	402.29
19	86.3	1208.98	336.93	587.58	205.7
24170	86.23	54.64	24.46	117.56	50.69
7898	86.07	4930.46	609.03	3689.77	2023.31
3773	86.06	222.07	81.38	66.8	59.52
19729	85.9	146.22	70.47	557.2	329.56
16871	85.88	37.6	4.8	57.25	23.71
19412	85.87	687.29	165.02	385.37	115.43
17664	85.87	649.75	234.13	278.21	158.72
11563	85.82	92.87	37.72	31.98	36.83
25050	85.8	3444.41	442.9	2365.59	1304.34
18795	85.79	1173.52	441.62	536.84	194.57



TABLE SNNN: MIXED PHENOTYPE					
Timepoint(s): Various			Attorney Docket 44921-5038-01-WO		
GLGC			Document No. 1935328.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3431	85.69	1544.2	194.5	1040.69	310.99
21977	85.61	321.88	154.91	710.51	218.66
13353	85.58	142.6	54.04	286.13	59.76
16446	85.53	33.14	8.85	62.62	20.55
20	85.52	677.77	212.99	344.57	133.55
11727	85.51	305.09	113.65	183.52	242.75
5384	85.5	122.1	52.78	26.76	61.13
11839	85.48	22.4	18.92	72.34	43.16
354	85.27	108.79	27.74	82.01	153.06
20524	85.2	183.57	186.08	22.39	43.23
7897	85.16	5026.51	553.34	3443.12	2129.75
8477	85.07	549.17	155.84	300.32	116.31
1264	85.06	7661.79	1097.37	4248.44	3333.92
22380	85.06	169.47	29.99	268.51	108.89
19012	85.05	770.22	223.05	438.26	162.83
12979	85.02	849.06	213.38	507.28	264.22
12301	84.97	221.22	64.45	137.36	66.49
1114	84.95	784.76	111.17	565.4	206.84
20161	84.89	93.65	43.4	28.67	55.35
18660	84.87	71.79	21.38	129.94	52.56
25237	84.84	27.81	8.21	46.96	14.07
23869	84.81	183.61	109.1	64.33	132.43
13910	84.75	595.17	256.02	334.68	144.63
6109	84.73	5062.67	612.62	3577.61	2270.94
21305	84.71	102.49	19.3	160.21	64.73
11720	84.7	1391.1	372.23	739.89	262.69
15191	84.7	4454.06	1670.95	1196.05	1298.31
16130	84.68	5489.79	1043.64	3516.83	2337.77
16132	84.65	5576.25	699.92	3387.56	2223.54
20778	84.54	42.88	20.91	74.29	18.46
3073	84.5	27.17	17.75	101.86	90.69
22266	84.47	1300.02	172.66	1708.32	355.56
14425	84.46	1582.38	902.47	447.23	425.39
3725	84.36	112.91	46.17	44.27	53.59
14997	84.35	904.57	456.19	284.18	270.05
1350	84.33	64.19	8.94	101.77	31.73
15538	84.28	422.49	51.3	318.33	100.25
17779	84.28	257.98	58.6	403.58	139.36
12083	84.26	116.98	43.39	244.98	116.05
4731	84.24	242.3	152.93	53.19	75.67
14534	84.23	6841.04	941.06	4581.71	3863.48
396	84.22	366.11	76.57	217	87.76
6479	84.17	1948.92	533.14	1036.43	385.69
21209	84.11	390.41	233.24	81.61	78.56
3216	84.1	59.47	12.28	85.97	24.13
19421	84.07	4234.7	478.19	2937.97	1757.49
4746	84.06	72.05	19.08	34.44	29.01
11728	84.04	414.23	112.95	194.29	227.78
25317	84.01	2439.58	494.72	1376.62	460.73
111	83.99	4804.2	499.29	3144.58	2037.61
15189	83.82	5084.12	1961.4	1634.96	1633.37

TABLE 5NNN: MIXED PHENOTYPE					
Timepoint(s): Various			Attorney Docket 44921-5038-01-WO		
GLGC			Document No. 1935323.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
25051	83.8	4432.49	459.55	2679.89	1549.16
16275	83.77	4799.21	631.58	3424.79	2264.62
21098	83.76	2466.39	679.48	1140.37	528.02
16809	83.74	96.71	50.6	29.31	24.93
2368	83.71	735.22	293.69	1084.68	198.83
12082	83.64	121.2	67.54	333.43	159.05
17829	83.64	3573.37	470.6	2364.78	1197.64
14591	83.61	37.32	12.53	70.26	24.38
20700	83.53	4924.3	672.7	2928.32	1593.46
21679	83.4	33.75	12.43	61.77	24.12
1805	83.4	2412.57	518.34	1446.94	630.27
15190	83.26	5503.52	1949.25	1811.64	1683.48
17039	83.24	72.05	12.32	109.04	32.05
19373	83.24	1718.02	400.78	1025.64	514.06
23349	83.1	84.4	16.95	132.91	33.71
21097	83.07	1695.3	601.55	918.24	384.35
25481	83.05	4569.06	559.89	3051.77	1745.38
11966	83.03	196.55	30.4	295.67	95.81
23569	83.02	178.01	61.2	261.45	59.45
4590	83	25.6	14.08	51.57	26.92
25370	82.95	54.43	32.48	157.2	91.71
4213	82.95	7673.5	1203.32	4441.5	3875.31
6477	82.92	3589.01	566.41	2253.93	859.56
23872	82.86	175.04	116.05	73.93	155.07
6013	82.73	2842.65	343.79	1897	624.63
19411	82.72	78.5	28.65	33.63	21.53
20896	82.71	25.99	6.26	51.88	36.56
15387	82.65	680.01	113.62	519.63	120.56
22910	82.63	201.8	41.58	284.3	62.67
15103	82.58	137.13	17.88	179.53	33.01
14139	82.55	33.97	7.23	52.9	18.29
15187	82.44	64.75	13.07	108.77	43.44
18644	82.44	3043.69	500.75	2170.22	809.8
16963	82.39	6828.55	1207.62	4270.05	3536.32
22909	82.36	40.05	10.54	62.52	20.77
9424	82.32	1934.87	554.59	1006.7	372.95
14533	82.31	7970.91	1413.59	5046.93	4888.24
21940	82.23	249.98	44.32	394.32	112.17
1246	82.2	42.58	17.23	78.42	30.36
25883	82.18	2820.03	289.81	2245.09	1055.18
24825	82.12	1465.13	481.46	893.2	387.12
4254	82.07	5999.1	691.12	3997.89	2553.49
1540	82.04	100.84	27.83	161.94	58.63
15017	82.02	5813.73	801.68	3964.02	2711.45
1639	82.01	116.75	34.19	197.38	45.66
2367	81.98	283.22	144.41	398.47	98.14
1558	81.94	43.61	21.04	92.17	40.02
17709	81.93	119.41	59.33	37.46	41.78

TABLE 5000: NECROSIS					
Timepoint(s): Various					
GLC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1246	80.45	39.39	19.36	80	29.62
11536	80.41	291.33	76.27	511.85	193.27
24321	79.54	447.79	210.79	817.55	252.02
1973	78.1	263.98	77.84	397.5	104.55
6033	77.89	654.45	220.35	1006.22	265.5
18564	77.81	274.17	84.41	386.79	94.93
4330	77.28	989.08	402.28	1543.74	446.87
22930	77.23	175.96	200.95	556.38	347.59
811	76.99	506.29	141.21	684.41	144.58
21173	76.96	110.85	51.97	199.21	74.6
3431	76.92	1356.96	256.43	1029.63	308.06
12946	76.85	259.09	92.83	353.08	98.59
21977	76.77	449.95	212.02	719.84	213.68
20778	76.44	51.26	16.69	75.14	18.07
15170	76.44	125.27	64.79	199.59	54.12
14767	76.43	188.25	78.17	316.07	114.56
24366	76.25	112.86	47.6	189.63	58.13
22929	76.21	433.57	606.13	1278.77	774.89
6263	75.91	206.22	64.26	296.23	100.65
4951	75.86	402.24	192.51	195.68	151.17
19103	75.83	497.14	189.78	756.27	230.2
9053	75.71	35.84	29.21	76.34	32.18
21025	75.54	37.93	38.95	91.05	50.97
7582	75.31	307.79	140.61	523.74	200.31
22870	75.25	628.86	193.01	903.08	269.18
11492	75.24	348.48	120.69	528.02	156.61
851	75.23	333.37	84.37	441.52	104.61
16465	75.1	302.33	69.82	412.35	104.75
19952	75.04	76.98	33.9	129.77	51.32
13167	75.04	83.28	25.63	115.5	30.99
3131	75.01	255.27	119.84	444.64	151.26
7344	74.88	117.22	54.42	190.68	59.36
8387	74.88	208.1	69.85	293.14	68.69
10184	74.79	63.35	48.59	124.29	57.96
7865	74.79	1138	246.56	857.72	202.94
1218	74.7	190.49	48.45	246.85	51.16
15755	74.68	581.08	130.93	748.07	179.7
11576	74.57	52.59	26.32	82.34	29.07
24161	74.5	335.75	75.75	466.01	123.48
17496	74.48	81.75	101.41	264.39	179.96
1314	74.45	240.55	55.21	187.28	44.13
11635	74.4	203.44	79.24	295.8	86.86
9128	74.36	162.07	74.39	107.76	76
7868	74.35	166.73	66.25	278.63	103.55
13757	74.33	138.92	44.46	197.52	51.43
16982	74.32	980.52	742.04	305.56	437.3
8549	74.31	395.79	191.78	674.79	221.08
22308	74.2	1154.95	310.26	823.85	286.13
410	74.12	112.09	74.23	190.18	89.99
32	74.08	208.2	61.24	301.46	81.89
13749	74.07	26.12	19.62	47.66	23.7

TABLE 5000: NECROSIS					
Timepoint(s): Various					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1125	74.01	20.38	10.72	34.07	13.75
14933	73.98	28.51	16.98	51.9	21.1
16023	73.95	204.97	55.6	309.8	99.75
13670	73.94	72.32	26.53	110.24	33.08
5934	73.9	202.93	127.88	376.18	163.8
2150	73.82	631.27	135.79	789.66	161.38
2569	73.8	596.98	364.62	922.74	277.96
22027	73.72	7999.05	3868.53	8656.82	7794.21
9191	73.71	412.08	197.45	704.92	283.49
25480	73.68	397.65	180.78	615.76	188.42
22368	73.6	884.73	281.5	1207.52	308.66
3822	73.58	1983.36	611.51	1326.85	434.91
20601	73.54	514.03	311.33	990.58	453.58
9754	73.5	93.8	80.91	215.05	132.49
23368	73.49	41.74	20.99	77.78	35.07
11899	73.48	38.09	11.74	54.58	16.56
2897	73.46	64.58	28.75	43.73	24.77
6443	73.45	96.61	42.88	150.93	51.25
14970	73.45	129.9	46.69	186.65	39.82
6582	73.44	179.28	65.91	122.97	84.48
4914	73.44	313.12	147.35	488.63	147.01
7872	73.42	210.94	59.34	297.83	81.21
1409	73.3	297.42	98.63	416.39	111.92
14208	73.24	88.52	42.97	143.24	49.98
2536	73.23	280.92	185.23	612.93	346.5
4143	73.19	358.43	106.11	487.08	139.61
7003	73.19	253.93	118.2	403.22	125.34
14191	73.16	44.12	27.48	69.37	25.86
8520	73.11	287	90.04	384.3	94.24
7617	73.06	159.38	82.91	274.04	129.57
12616	73.05	34.08	21.18	57.16	28.05
25567	73.05	236.85	131.72	140.76	140.59
7069	72.96	228.53	60.85	307.62	74.43
21382	72.94	125.8	40.55	183.68	63.43
22612	72.88	262.18	98.53	353.43	93.14
15154	72.79	486.25	168.22	629.69	171.62
17339	72.7	469.13	284.04	873.43	471.58
13936	72.69	77.55	30.21	111.12	33.34
23124	72.68	147.31	38.13	188.04	38.79
3145	72.63	447.89	142.45	656.97	206.59
18854	72.58	98.61	35.17	145.94	45.17
2799	72.56	270.96	160.36	502.74	222.86
9012	72.56	446.74	225.37	713.11	272.1
18425	72.54	716.49	144.44	895.42	176.96
9423	72.52	1225.33	494.56	795.76	272.54
22197	72.52	274.53	126.51	151.03	80.01
15299	72.49	136.72	99.75	75.53	129.14
25370	72.47	80.14	69.8	160.06	91.19
28	72.45	515.39	249.36	818.4	261.35
22910	72.44	224.23	47.39	286.51	62.19
16327	72.24	393.85	134.63	550.82	156.05

TABLE 5000: NECROSIS					
Timepoint(s): Various					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16446	72.17	40.85	16.97	63.43	20.24
17401	72.07	247.03	105.9	442.09	217.8
1920	71.97	847.57	499.56	422.78	238.6
9254	71.86	134.75	39.82	186.06	47.53
24645	71.81	292.07	86.77	402.64	172.03
16450	71.73	155.04	82.99	253.23	90.21
3430	71.73	328.78	135.64	232.03	136.33
4133	71.71	258.76	93.66	380.44	110.36
15642	71.67	614.4	297.65	365.09	141.2
22862	71.58	292.41	156.22	462.12	162.35
22867	71.58	185.61	60.99	253.97	66.01
10509	71.56	86.96	50.74	140.94	53.12
15613	71.55	657.99	361.32	1205.53	818.49
19067	71.55	83.37	36.82	131.66	51.87
19085	71.49	138.9	61.3	84.31	44.17
1529	71.44	441.12	133.23	576.25	124.78
7066	71.4	265.46	71.19	337.12	76.8
18640	71.39	125.78	32.05	160.61	37.92
8438	71.39	58.17	43.6	95.9	44.8
15864	71.33	114.24	40.15	163.06	50.79
18727	71.27	1220.54	500.22	741.86	362.51
134	71.24	55.39	56.81	121.11	50.09
24657	71.19	41.61	24.82	71.32	34.89
16364	71.19	91.83	71.17	183.38	87.03
15700	71.14	334.61	115.23	454.01	121.99
4198	71.13	990.89	309.11	1095.49	227.27
12312	71.1	693.37	278.99	985.63	260.15
21396	71.05	339.39	107.99	474.01	135.61
22582	70.98	302.19	155.45	444.11	139.14
13332	70.92	151.77	67.73	232.77	82.91
21679	70.88	40.37	19.98	62.57	23.89
17468	70.83	462.08	94.5	566.67	115.34
4450	70.81	147.58	43.04	199.33	60.99
64	70.79	89.69	36.94	136.66	43.39
16730	70.78	52.05	33.75	23.72	23.98
1921	70.68	482.04	295.87	202.77	148.18
11966	70.67	209.37	63.32	299	95.26
15188	70.66	160.33	36.04	190	35.08
23524	70.66	102.6	55.19	69.88	66.6
4234	70.62	953.43	414.06	600.02	282.32
4843	70.56	382.91	91.27	493.63	116.68
25550	70.53	66.97	30.39	38.22	23.22
1791	70.5	59.89	15.32	88	34.32
573	70.49	596.83	329.62	907.15	340.47
812	70.47	328.96	109.26	451.05	113.45
15612	70.44	203.85	143.03	456.18	329.95
21980	70.39	435.55	235.06	509.54	157.8
20735	70.37	348.83	188.33	182.25	124.18
18453	70.27	395.8	247.38	654.27	261.72
16449	70.22	164.08	172.17	338.34	187.58
18810	70.2	674.27	122.51	780.88	129.73

-1107-

TABLE 5000: NECROSIS			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18128	70.14	85.99	30.56	121.64	31.04
3031	70.09	31.34	20.4	66.53	38.85
25701	70.05	105.45	30.26	142.53	47.12

TABLE 5PPP: Necrosis and Steatosis			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2485	87.09	301.35	148.09	766.8	293.22
4275	85.35	1277.97	238.54	1805.19	414.55
6018	84.52	1559.26	820.19	5911.24	3944.14
17672	84.37	1329.91	331.11	2124.16	514.77
5355	84.32	1731.56	424.96	3257.85	1024.99
9016	84.29	1301.32	546.75	2654.18	985.01
3757	84.22	194.8	87.81	77.1	37.2
11165	83.62	507.81	110	793.01	199.96
8900	83.33	1427.98	406.2	2778.77	987.39
15141	82.78	218.69	43.11	144.76	47.16
23417	82.61	375.58	128.63	227.51	68.84
6016	82.51	1128.99	397.7	2115.32	763.04
17812	82.49	1132.09	413.31	2139.03	697.37
18765	82.19	1800.73	478.16	2872.67	859.44
20716	82.19	1105.92	163.26	1651.12	473.09
5954	82.17	2102.15	884.46	3662.39	1142.25
18491	81.98	683.9	165.05	1083.7	287.53
3971	81.94	88.08	30.74	47.07	20.7
20668	81.84	72.21	20.61	121.71	37.41
3579	81.79	1234.47	273.95	1929.28	600.63
15535	81.57	708.77	118.92	517.37	135.36
11431	81.55	145.85	77	66.59	24.08
6189	81.44	1542.93	643.32	3966.14	2203.02
4272	81.41	83.67	49.48	33.25	75.56
5749	81.33	298.26	56.95	195.75	84.89
25589	81.32	210.32	53.06	131.13	42.16
1173	81.31	742.55	454.97	1586.26	697.03
14312	81.17	326.74	90.55	497.21	136.33
21603	81.15	1212.98	370.02	2069.88	610.36
24626	80.93	1309.57	166.39	1767.36	393.81
7497	80.87	1241.89	255.45	1723	333.36
23657	80.83	259.82	139.58	127.66	53.5
13574	80.76	250.93	141.15	307.11	93.16
3254	80.65	414.78	110.19	254.22	87.9
22196	80.61	125.92	70.59	46.72	29.21
10504	80.58	636.99	167.51	958.22	259.78
11623	80.58	1887.33	621.9	3594.35	1409.39
16943	80.57	1285.79	298.18	2022.55	500.28
15218	80.52	1216.73	233.49	1731.53	337.77
24321	80.41	429.18	228.9	806.94	257.88
5723	80.37	590.64	275.9	1184.07	493.28
14970	80.24	158.7	76.41	184.47	40.93
23950	80.21	74.65	25.89	40.57	14.9
16947	80.2	742.4	210.62	1160.02	319.96
24228	80.07	716.79	111.15	983.77	263.55
2587	79.98	1074.05	277.8	1658.76	455.64
16948	79.93	654.81	225.52	1126.56	360.05
1336	79.83	81.06	17.51	52.73	22.9
13097	79.8	99.38	75.51	349.17	246.74
16993	79.79	649.83	273.86	1064.8	292.1
15490	79.78	248.87	75.87	150.13	49.97

TABLE 5PPP: Necrosis and Steatosis			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLC6 Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4193	79.76	519.7	200.36	767.04	153.68
3916	79.65	890.06	409.75	1549.67	402.33
24212	79.63	1172.57	239.9	1641.83	372.13
22457	79.59	408.8	180.42	193.94	129.12
2350	79.56	955.99	321.9	651.47	173.2
2596	79.48	669.98	194.8	1070.07	342.06
17688	79.43	102.39	40.44	55.25	28.9
16904	79.4	464.89	146.83	306.62	98.06
20694	79.29	263.93	125.81	438.67	149.04
22918	79.25	63.18	30.45	35.56	35.31
820	79.23	1295.43	287.9	2112.37	661.96
7887	79.21	256.91	93.72	142.91	78.26
12252	79.2	656.99	184.72	982.53	219.13
229	79.12	489.47	134.3	683.72	158.09
670	79.12	873.34	222.06	1213.49	265.11
16950	79.11	102.81	43.92	50.15	27.5
12524	79.11	545.12	129.85	390.24	110.34
21053	79.1	1034.56	268.7	1906.14	724.73
6132	79.09	325.46	123.7	530.85	143.81
1335	79.09	904.96	223.85	1229.56	238.42
2748	79.03	191.97	64.73	112.27	43.71
18766	79.02	1035.29	315.08	1729.26	581.54
3062	79.01	2084.87	958.88	3322.07	897.9
1695	78.97	20.52	18.64	58.84	36.43
1902	78.92	107.16	60.25	228	107.02
25496	78.92	142.88	47.99	88.37	38.98
6403	78.92	96.11	38.05	58.7	28.47
19827	78.86	840.98	364.48	1869.2	780.44
21467	78.81	738.47	284.26	1620.72	767.68
7005	78.76	99.56	32.27	64.45	23.65
2913	78.74	714.79	198.56	1041.32	208.59
15080	78.72	418.84	111.2	622.11	150.36
17408	78.67	957.2	283.76	1683.57	511.11
20741	78.65	77.26	55.77	21.23	28.79
10472	78.64	88.97	50.1	199.04	92.19
24811	78.63	952.62	379.79	1513.77	453.52
5465	78.58	629.6	323.17	780.39	203.19
6739	78.57	150.82	26.06	116.96	34.81
6303	78.57	103.81	32.64	67.94	19.71
6455	78.56	1871.61	722.95	3694.47	1289.02
17941	78.56	1946.9	668.45	3561.87	1231.96
24629	78.54	426.74	48.61	361.47	92.29
10902	78.52	270.88	184.24	46.15	151.33
15149	78.48	214.72	81.42	111.85	45.18
10227	78.46	310.29	40.74	421.94	113
8808	78.46	250.96	173	420.61	109.69
230	78.45	1634.61	559.45	3148.45	1027.38
20503	78.45	502.95	260.82	913.09	343.14
7888	78.44	388.08	126.83	263.13	139.51
24838	78.42	1342.12	252.82	1784.89	336.82
5033	78.21	771.57	206.94	510.42	286.02



TABLE 6PPP: Necrosis and Steatosis			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLC#					
Identifier#	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4360	78.19	138.39	64.37	266.48	128.71
15680	78.05	278.2	135.46	140.33	53.98
1175	78.05	232.34	169.31	637.41	346.62
22927	77.89	57.66	29.42	27.31	17.38
10544	77.76	307.89	113.08	177.64	68.59
17427	77.72	782.27	229.68	1126.84	247.06
16272	77.7	1149.5	387.95	1836.34	533.31
15487	77.59	141.84	65.36	64.03	28.71
8984	77.57	286.28	81.7	178.85	57.12
25443	77.54	761.32	228.47	1123.44	336.3
9842	77.53	1038.14	372.49	1612.5	408.91
14295	77.51	83.3	56.87	29.39	21.75
727	77.5	278.29	58.71	202.6	50.9
16013	77.38	46.5	19.59	26.44	10.36
1531	77.3	659.79	202.76	1061.36	325.14
6107	77.21	193.5	96.56	91.18	53.79
10886	77.19	594.81	225.38	983.26	410.34
18728	77.14	141.33	41.29	98.37	23.4
10545	77.14	367.98	125.94	215.66	85.82
20299	77.13	467.49	205.02	729.83	248.48
21978	77.11	108	32.02	178.93	66.61
21123	77.08	610.82	236.64	952.27	276.89
4592	77.06	262.39	106.22	151.23	49.75
4590	77.01	21.19	31.56	51.88	26.57
1481	76.98	108.89	39.47	57.59	28.87
21052	76.94	156.66	90.07	293.4	108.53
20998	76.92	890.05	211.6	1253.01	335.62
16306	76.89	837.63	177.97	1104.49	255.03
16942	76.87	954.72	263.15	1442.07	498.11
851	76.81	336.98	110.19	438.26	105.33
812	76.8	295.24	144.73	448.02	113.86
5621	76.78	102.49	49.35	183.31	68.13
15066	76.76	875.94	261.35	1335.71	355.35
18494	76.71	90.37	40.55	47.64	25.64
20728	76.59	353.36	77.32	262.01	83.55
463	76.56	32.22	10.62	20.87	9.02
21122	76.55	982.26	313.72	1534.32	488.06
8957	76.53	614.35	137.63	472.66	100.57
8956	76.51	307.2	64.86	233.02	63.04
3549	76.47	314.73	122.77	199.55	79.79
17448	76.39	107.7	47.37	53.28	35.99
25480	76.35	396.02	159.52	609.34	192.08
6013	76.33	1203.22	351.67	1916.56	625.38
12523	76.31	233.87	57.22	160.14	60.26
25253	76.29	443.36	113.38	316.98	101.7
24810	76.24	234.73	121.28	419.97	149.98
20708	76.11	62.71	29.66	33.58	17.78
15273	76.11	68.12	25.03	43.8	30.62
7064	76.06	663.45	341.04	329.57	193.88
20684	76.06	102.22	37.23	66.45	24.07
17687	75.98	69.13	24.41	39.16	15.2

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TABLE 5PPP: Necrosis and Steatosis			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLIC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3831	75.95	76.21	49.71	33.73	23.37
24707	75.88	803.26	267.21	1268.52	454.81
1546	75.88	266.24	130.33	301.31	73.82
1447	75.86	299.06	55.12	240.19	59.89
588	75.83	549.32	261.23	944.83	266.61
20464	75.82	1158.23	293.14	1791.43	557.37
15087	75.82	116.15	39.85	80.28	31.73
11405	75.79	76.56	25.67	38.92	19.51
21977	75.78	457.76	166.47	711.73	219.29
32	75.77	240.43	118.96	298.15	82.32
17299	75.77	46.84	19.86	26.78	13.14
23961	75.77	762.83	315.82	1092.98	221.2
2016	75.75	186.11	45.37	130	33.98
21576	75.74	131.37	44.22	79.13	32.62

TABLE 5QQQ: Necrosis and Steatosis			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935328.1		
CLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2485	87.09	301.35	148.09	766.8	293.22
4275	85.35	1277.97	238.54	1805.19	414.55
6018	84.52	1559.26	820.19	5911.24	3944.14
17672	84.37	1329.91	331.11	2124.16	514.77
5355	84.32	1731.56	424.96	3257.85	1024.99
3757	84.22	194.8	87.81	77.1	37.2
11165	83.62	507.81	110	793.01	199.96
8900	83.33	1427.98	406.2	2778.77	987.39
15141	82.78	218.69	43.11	144.76	47.16
23417	82.61	375.58	128.63	227.51	68.84
17812	82.49	1132.09	413.31	2139.03	697.37
20716	82.19	1105.92	163.26	1651.12	473.09
18765	82.19	1800.73	478.16	2872.67	859.44
5954	82.17	2102.15	884.46	3662.39	1142.25
18491	81.98	683.9	165.05	1083.7	287.53
3971	81.94	88.08	30.74	47.07	20.7
20668	81.84	72.21	20.61	121.71	37.41
3579	81.79	1234.47	273.95	1929.28	600.63
15535	81.57	708.77	118.92	517.37	135.36
11431	81.55	145.85	77	66.59	24.08
6189	81.44	1542.93	643.32	3966.14	2203.02
4272	81.41	83.67	49.48	33.25	75.56
5749	81.33	298.26	56.95	195.75	84.89
25589	81.32	210.32	53.06	131.13	42.16
1173	81.31	742.55	454.97	1586.26	697.03
14312	81.17	326.74	90.55	497.21	136.33
21603	81.15	1212.98	370.02	2069.88	610.36
24626	80.93	1309.57	166.39	1767.36	393.81
7497	80.87	1241.89	255.45	1723	333.36
23657	80.83	259.82	139.58	127.66	53.5
13574	80.76	250.93	141.15	307.11	93.16
3254	80.65	414.78	110.19	254.22	87.9
22196	80.61	125.92	70.59	46.72	29.21
11623	80.58	1887.33	621.9	3594.35	1409.39
10504	80.58	636.99	167.51	958.22	259.78
16943	80.57	1285.79	298.18	2022.55	500.28
15218	80.52	1216.73	233.49	1731.53	337.77
24321	80.41	429.18	228.9	806.94	257.88
5723	80.37	590.64	275.9	1184.07	493.28
14970	80.24	158.7	76.41	184.47	40.93
23950	80.21	74.65	25.89	40.57	14.9
16947	80.2	742.4	210.62	1160.02	319.96
24228	80.07	716.79	111.15	983.77	263.55
2587	79.98	1074.05	277.8	1658.76	455.64
16948	79.93	654.81	225.52	1126.56	360.05
1336	79.83	81.06	17.51	52.73	22.9
13097	79.8	99.38	75.51	349.17	246.74
16993	79.79	649.83	273.86	1064.8	292.1
15490	79.78	248.87	75.87	150.13	49.97
3916	79.65	890.06	409.75	1549.67	402.33
24212	79.63	1172.57	239.9	1641.83	372.13

TABLE 5000: Necrosis and Steatosis					
Timepoint(s): Various					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22457	79.59	408.8	180.42	193.94	129.12
2350	79.56	955.99	321.9	651.47	173.2
2596	79.48	669.98	194.8	1070.07	342.06
17688	79.43	102.39	40.44	55.25	28.9
16904	79.4	464.89	146.83	306.62	98.06
20694	79.29	263.93	125.81	438.67	149.04
22918	79.25	63.18	30.45	35.56	35.31
820	79.23	1295.43	287.9	2112.37	661.96
12252	79.2	656.99	184.72	982.53	219.13
670	79.12	873.34	222.06	1213.49	265.11
229	79.12	489.47	134.3	683.72	158.09
12524	79.11	545.12	129.85	390.24	110.34
16950	79.11	102.81	43.92	50.15	27.5
21053	79.1	1034.56	268.7	1906.14	724.73
1335	79.09	904.96	223.85	1229.56	238.42
2748	79.03	191.97	64.73	112.27	43.71
18766	79.02	1035.29	315.08	1729.26	581.54
3062	79.01	2084.87	958.88	3322.07	897.9
1695	78.97	20.52	18.64	58.84	36.43
6403	78.92	96.11	38.05	58.7	28.47
25496	78.92	142.88	47.99	88.37	38.98
1902	78.92	107.16	60.25	228	107.02
19827	78.86	840.98	364.48	1869.2	780.44
21467	78.81	738.47	284.26	1620.72	767.68
7005	78.76	99.56	32.27	64.45	23.65
2913	78.74	714.79	198.56	1041.32	208.59
15080	78.72	418.84	111.2	622.11	150.36
17408	78.67	957.2	283.76	1683.57	511.11
20741	78.65	77.26	55.77	21.23	28.79
10472	78.64	88.97	50.1	199.04	92.19
24811	78.63	952.62	379.79	1513.77	453.52
5465	78.58	629.6	323.17	780.39	203.19
6303	78.57	103.81	32.64	67.94	19.71
6739	78.57	150.82	26.06	116.96	34.81
17941	78.56	1946.9	668.45	3561.87	1231.96
6455	78.56	1871.61	722.95	3694.47	1289.02
24629	78.54	426.74	48.61	361.47	92.29
10902	78.52	270.88	184.24	46.15	151.33
15149	78.48	214.72	81.42	111.85	45.18
8808	78.46	250.96	173	420.61	109.69
10227	78.46	310.29	40.74	421.94	113
230	78.45	1634.61	559.45	3148.45	1027.38
12654	78.43	118.21	42.08	209.7	86.59
24838	78.42	1342.12	252.82	1784.89	336.82
14509	78.35	2275.37	1157.08	5079.26	2283.96
16913	78.34	835.01	241.01	1233.66	280.72
19363	78.29	790.9	442.35	1915.34	900.41
16884	78.24	1981.67	844.28	3749.69	1517.1
16484	78.22	113.65	28.89	76.53	39.09
5033	78.21	771.57	206.94	510.42	286.02
4360	78.19	138.39	64.37	266.48	128.71

TABLE 5QQQ: Necrosis and Steatosis					
Timepoint(s): Various			Attorney Docket 44921-5038-01-WO		
GLC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15680	78.05	278.2	135.46	140.33	53.98
1175	78.05	232.34	169.31	637.41	346.62
22927	77.89	57.66	29.42	27.31	17.38
10544	77.76	307.89	113.08	177.64	68.59
17427	77.72	782.27	229.68	1126.84	247.06
16272	77.7	1149.5	387.95	1836.34	533.31
15487	77.59	141.84	65.36	64.03	28.71
8984	77.57	286.28	81.7	178.85	57.12
25443	77.54	761.32	228.47	1123.44	336.3
9842	77.53	1038.14	372.49	1612.5	408.91
14295	77.51	83.3	56.87	29.39	21.75
727	77.5	278.29	58.71	202.6	50.9
16013	77.38	46.5	19.59	26.44	10.36
1531	77.3	659.79	202.76	1061.36	325.14
6107	77.21	193.5	96.56	91.18	53.79
10886	77.19	594.81	225.38	983.26	410.34
18728	77.14	141.33	41.29	98.37	23.4
10545	77.14	367.98	125.94	215.66	85.82
20299	77.13	467.49	205.02	729.83	248.48
21978	77.11	108	32.02	178.93	66.61
21123	77.08	610.82	236.64	952.27	276.89
4590	77.01	21.19	31.56	51.88	26.57
1481	76.98	108.89	39.47	57.59	28.87
21052	76.94	156.66	90.07	293.4	108.53
20998	76.92	890.05	211.6	1253.01	335.62
16306	76.89	837.63	177.97	1104.49	255.03
16942	76.87	954.72	263.15	1442.07	498.11
851	76.81	336.98	110.19	438.26	105.33
812	76.8	295.24	144.73	448.02	113.86
5621	76.78	102.49	49.35	183.31	68.13
15066	76.76	875.94	261.35	1335.71	355.35
18494	76.71	90.37	40.55	47.64	25.64
20728	76.59	353.36	77.32	262.01	83.55
463	76.56	32.22	10.62	20.87	9.02
21122	76.55	982.26	313.72	1534.32	488.06
8957	76.53	614.35	137.63	472.66	100.57
8956	76.51	307.2	64.86	233.02	63.04
3549	76.47	314.73	122.77	199.55	79.79
17448	76.39	107.7	47.37	53.28	35.99
25480	76.35	396.02	159.52	609.34	192.08
6013	76.33	1203.22	351.67	1916.56	625.38
12523	76.31	233.87	57.22	160.14	60.26
25253	76.29	443.36	113.38	316.98	101.7
24810	76.24	234.73	121.28	419.97	149.98
15273	76.11	68.12	25.03	43.8	30.62
24707	75.88	803.26	267.21	1268.52	454.81
1546	75.88	266.24	130.33	301.31	73.82
1447	75.86	299.06	55.12	240.19	59.89
588	75.83	549.32	261.23	944.83	266.61
20464	75.82	1158.23	293.14	1791.43	557.37
15087	75.82	116.15	39.85	80.28	31.73

TABLE 5QQQ: Necrosis and Steatosis					
Timepoint(s): Various					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
11405	75.79	76.56	25.67	38.92	19.51
21977	75.78	457.76	166.47	711.73	219.29
32	75.77	240.43	118.96	298.15	82.32
17299	75.77	46.84	19.86	26.78	13.14
23961	75.77	762.83	315.82	1092.98	221.2
2016	75.75	186.11	45.37	130	33.98
21576	75.74	131.37	44.22	79.13	32.62
20801	75.71	174.53	104.38	61.22	43.1
20715	75.7	631.56	305.69	379.9	431.78
811	75.64	498.38	186.42	679.27	146.6
20734	75.63	406.23	226.62	193.81	122.13
2098	75.63	197.62	62.14	131.89	39.14
25078	75.6	257.77	72.5	360.32	102.61

TABLE 5RRR: Peroxisome Proliferator Timepoint(s): Various GLCC Identifier LDA_Score Tox_Mean Tox_SD NonTox_Mean NonTox_SD					
18742	98.82	1395.22	377	331.46	139.11
3860	98.23	1020.07	183.29	386.32	144.26
21354	98.04	2438.54	664.57	398.66	326.24
9268	97.99	388.91	99.47	156.52	54.93
17758	97.86	2183.07	1294.12	338.94	276.11
26109	97.7	1431.69	788.49	130.13	201.23
21355	97.64	1608.57	598.02	284.11	233.93
15601	97.59	591.73	88.14	308.01	75.3
20711	97.54	1093.37	395.06	122.84	168.15
20554	97.11	781.07	265.31	256.75	121.19
16546	96.52	473.71	108.35	188.12	80.79
17935	96.52	1301.26	245.19	417.34	241.18
3279	96.18	1448.22	289.68	689.02	171.45
4271	96.04	773.49	392.46	50.42	98.08
25070	95.93	871.16	132.57	495.28	122.26
4272	95.91	447.67	209.78	28.57	53.7
21164	95.72	891.44	192.29	356.8	153.87
21010	94.92	1825.11	610.76	661.38	258.7
23698	94.15	2682.98	1467.86	327.6	259.44
18749	94.07	340.43	180.29	59.1	43.36
9805	93.8	651.04	107.46	388.61	96.62
21341	93.48	1729.16	293.99	844.97	286.35
5616	93.33	701.71	115.57	1262.83	376.92
24290	92.8	1566	269.08	2840.19	688.49
2811	92.79	460.54	132.66	188.34	72.44
22603	92.73	678.05	170.3	255.81	98.93
16721	92.71	522.59	136.6	256.69	66.29
20915	92.68	1741.17	527.25	519.29	335.46
9372	92.36	992.51	290.48	290.67	172.25
17027	92.11	459.3	164.1	1158.32	403.43
18890	92.1	2126.61	703.94	731.73	311.39
11525	91.82	605.99	118	378.78	80.31
2457	91.7	925.53	285.3	243.33	129.08
14131	91.67	177.72	85.3	32.53	28.09
18867	91.55	341.89	108.84	832.37	217.2
5602	91.54	1093.96	425.02	195.9	181.31
3844	91.53	133.76	30.36	66.02	27.78
20038	91.53	224.07	64.78	66.56	52.17
6512	91.45	261.67	69.23	137.69	58.66
3513	91.38	224.19	72.29	102.21	27.27
17887	91.27	674.94	138.23	1162.37	315.74
20925	91.05	2025.8	953.53	398.28	388.07
2813	91	1449.62	337.35	768.66	202.18
22602	90.97	418.08	125.73	118.05	80.02
6055	90.93	688.38	146.53	1094.5	229.18
18891	90.88	1054.26	375.61	291.23	139.59
15872	90.85	233.66	58.8	502.31	168.5
3121	90.84	1531.83	384.49	808.91	233.77
5597	90.72	97.1	25.96	172.5	42.38
9522	90.55	30.09	13.71	78.75	30.69
22416	90.5	692.09	317.42	139.61	72.86

TABLE 5RRR: Peroxisome Proliferator					
Timepoint(s): Various			Attorney Docket 44921-5038-01-WO		
GLCC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2150	90.45	521.41	72.48	785.87	161.72
6553	90.3	180.98	39.98	68.24	47.43
16704	90.3	1493.66	416.18	595.44	266.45
21822	90.28	545.57	87.01	344.74	79.78
1977	90.28	934.5	248.52	360.68	157.96
4199	90.26	576.36	100.68	896.44	203.32
19992	90.12	1056.22	170.88	617.21	213.79
20851	90.04	291.79	138.72	64.52	70.23
22051	90.01	338.08	85.59	153.02	62.05
3524	89.97	490.75	71.59	332.05	74.66
16768	89.82	993.05	221.21	488.29	151.19
21975	89.72	134.46	50.41	270.19	80.88
3099	89.71	907.15	119.96	637.06	122.41
21815	89.69	381.67	92.68	210.21	56.32
15175	89.55	413.05	95.48	229.57	63.71
22392	89.53	574.14	120.92	369.34	80.99
24275	89.5	563.19	134.97	318.76	90.64
6788	89.41	284.1	46.49	138.84	75.96
5622	89.28	974.12	164.12	1603.77	372.32
420	89.2	267.25	85.23	115.74	68.66
18747	89.11	658.81	286.26	149.06	105.49
17516	88.95	516.51	162.9	246.62	71.11
22014	88.85	70.55	31.16	160.5	45.96
20715	88.76	2217.46	1097.81	359.61	356.68
1728	88.73	710.85	263.03	244.12	97.33
14507	88.59	283.34	107.83	92.58	91.6
9929	88.54	1111.6	218.07	666.24	174.77
17886	88.53	806.81	117.22	1257.51	424.91
22840	88.53	478.71	118.87	882.27	261.28
23228	88.39	670.47	187.41	1455.62	515.12
18126	88.32	685.5	140.82	399.7	120.11
3167	88.32	520.76	116.21	274.29	101.53
15085	88.28	2781.4	893.62	1413.37	396.39
21693	88.26	554.41	100.33	885.83	199.67
19391	88.17	152.41	46.18	322.4	126.75
3720	88.05	312.35	34.01	231.14	46.62
4163	87.95	286.14	77.56	126.79	79.16
12496	87.93	35.43	9.11	77	29.81
1354	87.89	535.54	152.35	258.55	220.17
18083	87.83	367.23	288.94	21.22	51.65
22604	87.82	2296.72	720.82	1014.22	444.77
8784	87.8	332.31	80.63	179.04	57.23
16547	87.61	1479.5	304.08	813.12	232.12
11954	87.6	2107.02	975.37	1701.5	472.72
18725	87.56	88.4	26.82	216.37	84.48
7831	87.48	327.01	42.02	451.45	82.81
22050	87.48	1406.66	297.61	762.8	382.68
14103	87.45	114.63	38.57	267.93	112.19
9096	87.32	795.28	258.03	369.53	436.81
20724	87.3	34.94	17.31	85.73	32.91
9135	87.3	963.58	109.67	744.99	134.09



TABLE 5RRR: Peroxisome Proliferator			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18315	87.05	195.41	95.17	44.7	32.67
7756	86.69	157.38	94.07	32.34	32.19
20703	86.58	110.85	79.58	454.52	484.06
20998	86.57	724.75	229.63	1253.86	332.87
21729	86.36	1520.29	697.04	633.94	312.6
14595	85.8	398.86	210.76	63.72	70
18958	85.75	841.29	349.21	318.62	105.44
18450	85.54	685.82	109.75	493.89	105.43
48	85.5	392.22	108.61	672.18	188.91
25500	85.5	79.5	29.1	156.14	51.1
1351	85.16	61.44	17.14	39.4	23.22
9931	85.04	911.87	180.18	611.39	150.58
12158	84.86	488.42	266.07	229.44	545.86
21848	84.55	419.85	70.76	300.4	77.78
12156	84.24	1207.53	581.96	492.19	858.02
13005	84.23	284.27	162.53	250.8	86.13
17154	84.13	306.08	68.22	187.06	78.52
20705	84.11	305.83	177.63	1037.14	951.07
23660	84.03	719	242.9	1342.24	415.04
20555	83.98	858.8	430.75	333.39	171.92
21078	83.94	1132.66	178.79	732.96	210.84
5496	83.88	269.46	90.87	495.69	154.23
15087	83.85	117.76	26.39	80.39	31.99
382	83.84	184.44	52.17	298.72	88.62
699	83.8	420.54	62.37	614.3	157.86
15755	83.67	436.74	126.41	744.46	178.3
25055	83.63	494.56	277.8	238.93	545.97
16150	83.56	1732.97	956.96	655.56	225.21
229	83.53	476.65	96.56	683.17	158.59
20859	83.42	86.3	29.41	41.46	19.76
18726	83.31	214.14	59.83	364.53	114.8
19679	83.31	174.52	95.87	393.25	139.52
17933	83.29	326.01	125.87	126.45	67.59
6780	83.2	1165.95	265.02	781.43	186.55
21849	83.16	255.45	48.89	155.92	59.77
20713	82.99	2233.44	1149.79	698.6	475.99
1973	82.88	253.17	53.56	393.21	106.51
3512	82.84	188.43	56.13	109.67	22.12
21909	82.71	85.27	25.88	155.47	58.73
6554	82.64	383.48	117.89	613.77	160.84
18318	82.63	307.84	156.14	85.01	57.77
17806	82.62	28.35	17.49	78.22	35.81
16767	82.59	1114.94	256.57	598.92	188.52
19590	82.59	109.66	39.53	52.83	28.39
18316	82.52	272.93	146.04	71.63	53.95
18175	82.52	873.12	220.25	492.37	109.45
8182	82.51	948.23	221.02	1461.33	332.47
135	82.49	191.44	52.76	308.11	109.98
23336	82.46	93.43	53.71	23.6	22.62
20985	82.46	312.53	142.66	134.71	54.21
15579	82.32	2231.79	1412.02	1671.33	656.28

TABLE 5RRR: Peroxisome Proliferator					
Timepoint(s): Various					
CICG					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22918	82.15	148.21	76.06	34.53	32.02
1421	82.14	206.14	55.75	137.96	22.3
18509	82.13	365.15	46.59	269.39	57.64
17203	82.09	1014.4	134.98	758.17	175.38
24	82.06	21.95	12.59	53.02	24.96

TABLE 5SSS: Rat-Specific Carcinogen			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935323.1		
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20915	93.91	1805.09	604.22	511.5	314.52
16703	88.66	2138.04	506.86	1151	358.58
9268	88.25	336.95	120.8	156.25	54.84
16067	87.61	409.09	114.06	166.21	113.22
14131	87.2	150.18	85.27	32.26	27.88
4199	87.07	611.54	119.74	897.5	203.17
9805	86.93	601.47	126.8	388.13	96.51
24290	86.56	1754.24	422.93	2843.5	688.37
15872	86.1	265.64	82.22	503.15	168.47
9032	85.89	833	120.24	600.82	156.37
7022	85.56	108.49	40.67	36.13	37.46
1354	85.48	489.01	150.84	257.93	220.57
16704	85.15	1320.9	456.21	593.86	265.98
3860	85.1	863.45	299.89	385.85	144.31
18742	83.72	1099.78	570.72	331.3	139.42
20724	83.54	41.06	19.44	85.88	32.9
5496	83.52	283.08	84.44	496.65	154.04
18749	83.4	276.07	184.17	58.8	43.21
23445	83.38	82.35	59.13	238.47	130.21
5497	83.33	389.95	134.98	647.1	186.12
17758	83.32	1635.9	1397.51	339.32	276.79
5622	83.08	1056.24	205.4	1605.61	372.33
4272	83.02	326.33	262.98	28.6	53.81
21355	82.81	1197.89	828.88	284.72	234.39
26109	82.78	1047.85	906.25	130.36	201.6
21354	82.78	1824.88	1133.25	399.24	326.93
3969	82.63	427.9	66.47	574.31	144.07
3279	82.51	1233.57	424.63	688.98	171.78
25281	82.44	206.56	29.85	153.38	48.83
6824	82.41	608.07	167.81	412.35	215.83
20711	82.35	792.82	585.45	123.27	168.49
23698	82.27	2027.31	1621.74	327.27	260
3302	82.2	161.88	45.78	263.17	89.59
7926	82.17	145.03	33.86	94.57	52.51
14202	82.14	125.33	53.49	57.41	52.28
420	82.08	244.09	86.72	115.36	68.51
4291	82.06	143.23	61.43	312.22	138.74
20554	82.03	636.3	323.16	256.65	121.44
4271	81.78	550.39	486.67	50.73	98.25
16547	81.62	1328.12	373.64	812.39	231.92
6512	81.49	232.08	79.58	137.58	58.69
21917	81.42	27.61	11.21	76.12	66.21
21341	81.38	1470.98	486.82	845.07	286.97
22050	81.3	1307.01	364.7	761.21	382.02
16701	81.25	3576.94	1006.26	2250.42	688.67
18747	81.14	540.21	308.81	148.55	105.43
3121	81.14	1370.17	421.73	808.06	233.87
15601	81.14	508.7	154	308.05	75.45
28	81.01	455.22	163.25	811.05	265.6
25070	80.95	776.25	192.1	495.05	122.45
5046	80.88	40.05	15.39	78.3	42.16

TABLE 5SSS: Rat-Specific Carcinogen					
Timepoint(s): Various					
Attorney Docket 44921-5038-01-WO					
Document No. 1935823.1					
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15673	80.85	1200.23	162.33	915.03	191.72
9372	80.84	783.92	415.34	290.82	172.65
8899	80.82	695.06	122.26	910.11	199.42
15146	80.8	124.94	35.52	224.58	111.01
15125	80.79	2526.33	930.66	1632.56	604.59
15127	80.74	1046.44	242.52	686.77	324.88
8315	80.63	205.65	79.92	75.33	61.5
21010	80.54	1512.33	722.25	661	259.12
15033	80.53	483.41	57.93	397.1	82.8
16546	80.52	384.87	171.05	188.26	80.91
8036	80.5	107.25	42.63	190.64	67.22
17935	80.44	1027.75	489.09	417.74	241.61
9595	80.34	116.46	25.48	181.72	57.94
21164	80.27	720.73	321.7	357.14	154.07
20925	80.25	1545.55	1118.98	398.57	388.7
3256	80.2	1363.2	223.24	1008.47	282.45
22602	80.11	346.86	156.71	117.77	80.11
14103	80.1	130.83	53.52	268.45	112.17
6281	80.09	428.91	67.82	322.98	57.65
6055	80.06	755.74	171.13	1095.41	229.36
19992	80.03	961.81	217.4	616.62	214.06
16944	79.95	653.89	186.47	493.26	118.6
17653	79.94	33.67	9.69	61.84	28.94
3963	79.93	305.58	62.1	433.33	110.78
22603	79.9	551.03	249.59	255.93	99.16
3844	79.84	115.57	40.04	66	27.82
3524	79.74	466.11	84.63	331.66	74.43
22416	79.71	533.31	369.04	139.63	73.03
24313	79.63	470.74	59.57	385.82	60.61
18900	79.6	1105.69	187.66	800.38	174.92
4198	79.56	808.6	112	1096	231
4163	79.55	248.62	94.31	126.64	79.23
11827	79.51	24.08	5.69	38.86	17.24
3720	79.5	294.46	48.31	231.04	46.59
21693	79.5	634.8	176.62	886.1	199.83
3513	79.49	186.87	85.46	102.25	27.33
9475	79.48	507.64	185.43	865.8	307.15
2544	79.42	142.29	38.28	223.97	68
12766	79.4	535.24	155.92	819.07	248.03
21676	79.39	56.27	22.06	23.05	23.13
5597	79.39	113.41	35.69	172.6	42.44
4312	79.22	300.11	231.72	59.29	145.18
1977	79.22	751.49	363.3	361.04	158.19
15175	79.14	351.74	129.02	229.74	63.77
1561	79.05	678.96	104.86	876.64	222.96
11525	78.98	543.41	145.13	378.73	80.39
16217	78.91	331.03	49.07	453.05	151.94
9929	78.88	984.42	275.55	666.24	175.2
5616	78.86	798.91	213.64	1264.02	377.29
12087	78.83	721.43	172.31	1033.05	313.71
25500	78.72	92.72	36.52	156.3	51.14

TABLE 5SSS: Rat-Specific Carcinogen				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2811	78.66	376.87	175.31	188.45	72.58
20913	78.65	1344.66	1526.29	252.08	239.71
16721	78.6	439.68	176.78	256.82	66.39
21729	78.6	1337.31	666.05	632.62	312.5
18867	78.58	464.09	223.16	832.71	217.61
1588	78.11	150.03	38.75	236.26	84.77
4748	77.84	864.02	171.56	1193.49	354.11
2150	77.8	578.71	114.96	786.21	162.02
575	77.78	647.61	149.34	910.21	310.61
5619	77.7	236.87	83.36	434.3	224.27
1728	77.61	564.17	323.78	244.37	97.47
16768	77.55	827.1	326.5	488.7	151.42
17541	77.55	2640.18	1157.61	1611.53	611.61
17154	77.53	282.38	73.61	186.86	78.6
20715	77.52	1645.27	1301.97	360.39	357.44
16519	77.51	167.17	65.13	374.61	224.57
21975	77.45	162.3	68.52	270.39	80.94
20851	77.42	226.26	158.41	64.53	70.36
9931	77.42	842.19	198.93	611.09	150.67
1973	77.35	278.95	64.12	393.47	106.7
7872	77.32	201.16	69.12	295.58	81.6
21674	77.21	81.3	20.95	47.97	29.6
1562	76.92	632.49	156.59	886.15	225.36
17601	76.86	54.6	26.05	103.26	39.63
7756	76.82	117.71	101.87	32.42	32.24
15126	76.72	1875.41	613.22	1264.52	531.77
25211	76.65	24.28	8.6	41.3	18.02
17401	76.65	214.98	90.12	437.23	217.41
3381	76.48	152	27.96	112.85	34.15
19679	76.48	207.81	106.28	393.8	139.56
20940	76.46	712.05	180.72	544.11	214.98
355	76.44	39	11.16	65.51	38.58
20914	76.39	1239.7	1139.09	217.52	235.85
18990	76.29	57.72	40.69	25.18	57.42
18083	76.28	264.56	293.42	21.29	51.77
17752	76.27	316.19	69.14	474.47	141.73
17516	76.23	440.41	184.62	246.6	71.25
6672	76.22	51.56	15.14	78.39	25.38
18958	75.96	677.7	394.05	318.89	105.63
15579	75.96	2192.69	1209.56	1669.05	656.58
20698	75.92	555.55	154.85	906.07	449.65
9029	75.71	488.95	86.61	377.63	190.26
20983	75.67	1372.88	425.72	990.57	285
23660	75.57	819.62	309.13	1343.7	415.06
15755	75.51	499.07	155.59	744.94	178.51
21977	75.49	570.55	106.99	710.01	221.7
15409	75.21	1048.64	448.2	591.54	275.01
20703	75.09	161.99	107.91	455.4	485.2
15150	75.08	68.9	24.08	36.74	21.51
18315	74.94	150.9	107.86	44.73	32.72
20859	74.91	74.16	33.21	41.44	19.76

TABLE 5SSS: Rat-Specific Carcinogen			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
25453	74.79	241.97	69.06	325.2	79.65
17886	74.76	902.13	187.48	1258.14	425.92
17933	74.67	272.09	138.91	126.39	67.68
24	74.6	30.14	19.68	53.04	24.99
8438	74.58	53.2	34.64	94.94	45.26

TABLE 5TTT: STEATOSIS					
Timepoint(s): Various					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23710	99.44	426.99	158.47	39.74	127.2
23711	99.12	1638.85	605.56	175.11	252.99
18383	98.96	1708.97	388.87	745.76	148.48
24799	98.96	1195.6	333.09	301.34	104.38
22204	98.88	738.56	369.62	102.92	76.96
24800	98.78	461.64	85.12	137.87	62.98
21043	98.54	464.68	225.48	71.55	45.75
5339	98.22	1793.4	478.09	496.04	253.26
25805	98.01	132.61	31.16	50.71	18.07
25567	97.66	545.53	171.91	142.84	138.08
20744	96.92	1141.12	158.4	343.95	298.59
11136	96.17	631.45	96.47	314.65	116.78
6044	96.07	1316.46	200.37	751.26	207.08
4355	95.51	133.56	78.66	408.05	114.28
17461	95.43	2844.1	440.98	1402.43	543.42
3917	95.43	2920.63	643.23	1576.49	500
15080	95.37	316.04	55.21	620.44	150.65
7426	95.24	477.73	89.2	292.87	74.23
3944	95.22	198.86	23.52	380.78	282.11
23260	95.06	125.82	46.12	20.66	49.17
23709	94.76	1101.41	241.84	172.11	240.14
7416	94.74	819.53	98.21	1176.85	224.36
24251	94.34	1038.37	755.99	86.17	107.9
24798	94.31	1518.71	252.85	565.68	185.28
22311	94.28	511.57	285.28	179.32	61.1
3498	94.07	300.42	102.94	73.75	48.71
24797	94.07	515.62	308.75	64.38	43.43
957	93.97	264.22	94.11	94.59	44.99
21042	93.91	305.23	110.33	53.99	33.18
15841	93.83	199.05	70.49	58.42	27.28
4155	93.81	249.66	152.06	27.55	32.84
24803	93.81	3007.25	749.04	955.38	309.22
2789	93.78	317.62	114.62	74.43	42.55
3145	93.67	297.63	84.46	649.4	207.49
24801	93.57	1207.19	290.56	446.91	135.33
7642	93.54	67.34	17.76	122.77	35.28
11314	93.51	257.97	67.63	98.13	28.06
2342	93.41	401.37	137.42	134.67	55.66
4154	93.41	555.97	278.15	84.83	71.73
956	93.38	720.99	156.39	298.87	124.24
4725	93.3	579.8	359.59	21.53	107.74
2486	93.22	249.93	52.97	520.51	164.41
6988	93.2	2406.98	1034.92	410.58	325.25
21709	93.17	357.59	73.41	192.65	45.44
357	93.12	231.23	115.1	73.5	31.36
1597	93.12	609.69	268.54	115.4	119.12
6697	93.06	178.7	37.6	75.11	28.96
355	93.06	212.6	98.49	64.16	36.13
4731	93.04	254.16	159.28	53.52	76.17
6295	92.96	2644.86	728.83	1083.65	420
3435	92.93	184.96	25.05	287.41	58.82

TABLE 5TTT: STEATOSIS			Attorney Docket 44921-5033-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
12825	92.88	413.85	151.26	143.86	52.1
21951	92.85	235.98	51.62	104.25	32.95
13686	92.85	103.07	42.55	43.59	16.51
13785	92.85	91.31	36.25	28.32	17.53
21063	92.85	136.54	43.55	45.61	21.99
14997	92.82	813.66	304.23	286.03	274.33
17908	92.8	341.3	138.37	71.19	114.56
20943	92.77	504.3	179.19	266.22	58.79
11992	92.77	67.46	16.69	29.71	12.57
2040	92.74	774.24	317.67	220.97	113.13
4789	92.74	254.77	78.25	69.47	41
5953	92.74	1015.17	452.24	182.21	219.21
17380	92.72	501.31	97.98	259.51	56.66
15642	92.64	808.95	240.2	374.02	156.59
4879	92.5	43.62	17.28	129.37	58.19
12306	92.5	2687.68	503.28	1137.44	517.33
13838	92.5	305.8	60.31	157.62	44.52
3418	92.42	529.23	125.97	288.59	78
18783	92.34	799.23	207.78	388.28	110.02
7745	92.32	303.03	102.02	126.97	55.6
3885	92.26	557.57	199.34	208.63	88.95
8728	92.26	208.46	62.82	83.42	35.75
1261	92.24	233.6	72.24	90.59	42.72
22906	92.24	1786.46	657.16	555.14	414.33
24778	92.21	1059.35	415.5	106.33	248.96
13446	92.19	143.37	61.44	33.71	35.39
1547	92.16	165.73	44.72	72.18	26.43
12119	92.08	360.14	104.12	138.92	67.02
10018	92.08	446.94	151.08	201.19	91.27
22545	91.97	609.53	157.46	241.55	110.06
8634	91.97	294.7	88.11	115.8	60.8
11997	91.95	481.41	141.93	198.28	83.2
4670	91.95	1831.85	620.15	481.05	417.75
15173	91.81	785.73	283.53	350.8	158.06
22187	91.79	489.34	68.52	924.01	380.14
1262	91.79	137.48	48.83	48.4	30.03
25682	91.73	71.76	23.47	31.87	18.4
6135	91.71	60.23	28.77	167.14	63.23
11533	91.55	146.33	72.7	22.77	54.12
22835	91.55	606.59	168.59	329.6	87.98
21757	91.49	139.6	29.05	57.08	32.39
19086	91.44	307.02	105.81	121.33	68.32
18727	91.41	1422.51	224.04	760.02	380.58
3961	91.39	114.72	26.66	56.91	23.54
12965	91.39	163.31	40.52	65.42	44.71
5989	91.31	352.05	40.06	207.94	64.14
17753	91.28	318.47	66.17	178.84	58.86
12000	91.25	733.3	182.64	313.58	160.02
21238	91.2	264.41	107.68	78.93	76.74
21864	91.02	53.11	15.17	23.33	12.17
15832	91.02	147.96	26.99	93.63	36.79



TABLE 5TTT: STEATOSIS					
Timepoint(s): Various					
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17379	90.88	329.17	96.81	117.22	69.28
15011	90.88	155.88	46.39	82.42	32.9
11137	90.75	791.65	145.34	412.17	156.26
21062	90.14	82.55	21.3	24.77	77.95
15872	90.11	910.15	170.07	496.35	167.4
24779	89.87	1128.09	336.53	217.04	431.31
21097	89.87	1420.72	240.02	921.49	391.32
11998	89.85	84.46	30.21	30.83	23.8
18795	89.79	986.47	184.83	539.29	202.72
8182	89.74	1203.09	47.91	1456.02	336.76
24264	89.66	134.26	38.26	53.05	39.71
958	89.58	807.4	316.04	296.8	130.18
16163	89.55	648.04	88.56	458.64	164.64
13682	89.15	288.54	74.18	153.7	61.35
3430	88.84	690.29	198.65	233.82	132.92
18702	88.81	164.57	74.52	58.66	22.27
15371	88.78	399.55	39.17	276.85	80.39
25608	88.76	101.93	59.54	26.16	15.79
7947	88.46	131.98	31.57	80.52	36.3
22282	88.44	147.9	29.13	93.96	29.46
15292	88.38	358.65	103.05	161.56	63.44
1549	88.38	410.81	141.11	184.09	57.88
25321	88.2	798.05	338.01	64.55	167.83
1920	88.17	790.83	133.55	440.27	270.56
1818	88.14	1238.63	134.19	2116.18	830.64
18728	88.04	141.59	26.39	98.85	24.21
16982	87.99	987.99	320.68	332.79	475.14
40	87.85	124.51	70.07	364.67	185.93
15313	87.8	99.62	50.66	27.35	36.67
14465	87.64	108.1	89.05	52.01	35.18
15621	87.53	663.06	152.66	368.33	86.66
1959	87.45	1193.48	118.42	2992.83	1816.78
14822	87.37	293.24	88.39	140.34	51.94
111	87.29	1115.66	277.57	3169.68	2035.12
21707	87.27	154.97	77.69	40.63	51.97
2010	87.24	1441.28	152.66	2692.81	1261.9
4234	87.21	1161.14	205.78	613.08	296.43
22314	87.13	300.82	75.74	141.88	48.44
5545	87.11	792.71	164.59	1493.88	573.16
3831	87.08	58.81	13.55	34.3	24.63
13930	87.03	252.18	77.11	147.06	105.72
14632	87.03	1014.2	130.21	1528.57	1137.28
23544	87	1094.48	73.24	1407.07	333.8
4010	86.98	1382.63	273.1	3098.05	2058.69
15683	86.87	121.35	56.18	38.42	29.66
6477	86.84	1694.29	106.3	2267.84	867.07
8210	86.84	338.41	120.93	125.65	85.94
108	86.76	1105.33	125.21	2181.99	1123.63
16942	86.76	886.77	126.9	1437.03	498.61
21239	86.74	765.8	261.3	322.09	178.98
19085	86.68	210.93	69.97	86.09	45.38

-1127-

TABLE 5TTT: STEATOSIS					
Timepoint(s): Various					
CLCC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
1798	86.68	1484.39	174.76	2804.34	1336.11
23491	86.66	67.14	20.87	140.44	66.74
22860	86.63	118.74	38.34	54.3	23.7
8211	86.52	1188.67	125.17	2378.65	1113.31
1853	86.52	1338.93	193.22	2982.14	1637.61
2968	86.44	1151.48	133.67	2449.68	1262.65
4012	86.44	1414	214.2	2443.23	1160.81
17306	86.36	1382.22	224.07	2606.3	1273.84
14981	86.34	1141.57	161.43	3446.36	2312.72

TABLE 5UUU: RAT-SPECIFIC			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLGC					
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15125	84.77	2623.95	842.22	1575.67	471.37
20915	84.21	1482.7	752.57	479.62	262.28
1354	84.01	450	153.08	233.59	190.41
6824	83.81	570.81	162.86	351.71	78.39
3256	83.57	1327.42	208.33	955.28	187.49
3121	83.13	1330.48	375.72	836.94	183.13
1795	81.97	1366.31	887.03	488.96	235.87
15127	81.68	1013.56	234.78	633.55	253.76
9475	81.6	554.87	188.47	926.41	276.42
15126	81.56	1930.63	559.32	1189.75	434.61
1794	81.53	5412.3	3108.18	2071.41	743.87
17541	80.76	2645.89	1005.53	1588.11	444.98
20914	80.53	1009.29	1047.24	178.67	134.52
17401	80.2	249.15	110.67	498.58	206.08
9032	80.16	777.18	139.95	567.86	106.91
6281	79.84	410.15	69.85	320.11	51.59
17155	79.8	215.12	68.73	120.66	39.81
5619	79.79	234.51	76.77	428.18	206.04
15872	79.72	316.51	151.16	505.15	145.68
5497	79.52	439.76	156.19	667.03	148.87
23445	79.44	107.93	72.7	261.76	108.44
12071	79.32	437.27	132.16	673.92	155.11
15673	79.32	1145.62	173.26	888.43	148.78
5496	79.04	324.6	106.16	510.54	122.43
3302	78.92	174.53	48.02	254.31	62.31
5622	78.92	1177.98	293.41	1609.15	289
15124	78.88	1906.64	608.89	1304.79	348.07
7926	78.72	145.13	39.34	91.73	48.52
16067	78.6	357.16	134.38	167.5	105.75
8036	78.55	118.43	46.42	195.61	61
18401	78.52	952.54	142.57	761.61	132.38
1551	78.39	726.73	197.84	1088.03	324.71
16519	78.27	172.13	64.03	364.2	199.28
21693	78.04	681.45	178.86	928.07	172.96
24290	77.96	2055.4	647.82	2979.79	584.6
14670	77.92	1672.79	437.76	1140.11	274.32
18749	77.76	223.32	181.08	58.27	43.29
6479	77.71	630.02	288.07	1032.96	330.38
15286	77.67	549.76	79.17	447.88	78.99
14103	77.43	176.73	118.86	297.35	100.28
15755	77.4	544.46	170.72	779.61	143.84
18900	77.28	1056.95	181.06	771.95	138.73
228	77.23	397.22	79.43	512.97	100.94
7022	77.16	86.36	52.28	29.16	25.94
2057	77.16	615.68	202.97	388.23	106.91
25211	76.91	24.5	9	43.05	18.48
5597	76.84	124.85	41.46	179.07	38.09
18726	76.83	251.29	75.38	375.83	101.91
14131	76.8	118.04	90.81	33.66	26.22
5140	76.79	44.4	21.02	74.83	28.36
4198	76.79	853.32	161.43	1091.61	171.92

TABLE 5UUU: RAT-SPECIFIC				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935323.1	
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22139	76.72	837.69	164.99	644.66	117.16
21917	76.71	31.58	13.87	64.87	39.46
17653	76.67	35.76	10.15	57.57	22.45
20698	76.63	601.93	178.63	879.35	280.22
14202	76.56	111.74	58.74	56.98	49.7
4199	76.55	690.94	183.72	898.75	164.81
573	76.51	618.11	237.13	975.07	295.14
16998	76.47	20.38	16.28	45.95	27.03
21815	76.4	309.71	107.25	209.22	52.06
9268	76.36	282.52	138.46	155.55	53.75
575	76.27	664.14	145.02	897.58	252.02
25430	76.27	486.71	102.89	644.44	170.21
17470	76.24	277.71	114.79	145.34	62.06
16703	76.24	1913.89	582.91	1240.26	288.4
19992	76.16	875.05	239.2	580.22	132.3
20913	76.12	1066.66	1380.37	219.71	119.06
1793	76.04	2478.8	1576.77	1097.84	375.98
17752	76.03	340.85	78.71	495.89	132.62
9805	76	550.71	138.31	395.29	85.74
6055	75.99	817.68	186.74	1113.58	195.57
20707	75.88	1074.4	363.88	623.34	229.96
18725	75.79	128.6	61.82	225.51	75.92
7223	75.76	360.85	96.68	255.52	64.21
9055	75.75	510.14	112.71	367.61	91.06
23928	75.67	111.29	26.45	146.26	33.19
3969	75.59	473.73	110.17	597.57	115.6
20466	75.55	284.65	103.54	459.19	140.55
17324	75.47	295.81	60.17	404.23	102.12
19287	75.47	42.68	12.35	62.32	18.46
6512	75.44	208.39	81.87	136.6	41.71
10200	75.43	39.83	18.9	22.12	18.89
48	75.43	648.81	302.27	683.58	167.49
14264	75.36	202.97	116.57	87.57	62.25
10623	75.31	1092.74	764.49	1180.6	478.26
22592	75.24	106.81	104.36	40.04	56.27
1822	75.23	33.68	10.71	57.49	22.41
23296	75.23	485.14	116.31	329.92	87.08
21848	75.19	379.76	69.57	292.87	68.85
18890	75.16	1507.23	832.9	737.74	225.08
2544	75.15	162.97	51.61	239.6	63.17
4163	75.07	223.36	94.7	123.16	67.03
18747	74.92	451.34	306.82	146.19	105.34
1641	74.87	61.36	24.27	108.26	38.6
17091	74.84	76.85	38.1	36.58	18.42
12087	74.79	793.42	209.52	1114.3	244.52
11954	74.79	2126.74	748.7	1724.99	462.74
6911	74.78	180.24	36.01	248.73	65.16
9595	74.71	126.92	36.44	183.5	50.27
15593	74.71	217.21	66.32	138.49	62.47
25281	74.67	190.57	38.95	144.14	32.18
4037	74.62	28.03	37.34	65.97	41.49

TABLE 5UUU: RAT-SPECIFIC					
Timepoint(s): Various			Attorney Docket 44921-5033-01-WO		
GLIC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
2828	74.59	161.9	36.94	125.9	34.36
22150	74.54	61.47	11.65	84.4	24.9
20701	74.54	603.12	180.17	865.54	266.35
20354	74.5	21.53	11.34	43.9	31.61
355	74.5	41.66	12.83	64.66	25.6
16043	74.46	101.39	21.39	128.12	30.01
1479	74.43	222.6	80.87	317.81	84.69
28	74.43	556.17	223.25	892.23	208.14
25443	74.42	917.97	200.37	1189.29	304.35
8872	74.4	695.6	245.44	441.84	110.47
21676	74.39	45.49	30.66	21.64	19.7
25500	74.31	104.95	40.42	161.29	47.83
18867	74.31	549.12	243.77	865.2	172.47
22008	74.3	296.37	49.26	368.53	82.95
1529	74.27	449.23	105.31	605.6	103.81
8422	74.26	97.71	48.06	45.21	70.14
14208	74.14	106.41	32.72	151.77	45.17
25069	74.12	458.66	326.61	147.86	116.19
22802	74.1	67.36	24.66	108.03	47.66
16320	74.07	68.75	22.55	105.75	30.18
14234	74.07	710.12	202.7	514.62	105.95
16217	74.06	352.45	61.76	458.46	111.46
21709	74.02	160.94	19.47	190.32	34.28
18989	74	2454.55	1380.92	1433.96	445.39
3860	73.95	733.59	336.39	383.38	129.24
22631	73.9	771.81	115.3	955.88	196.97
8315	73.87	171.23	93.34	75.82	53.3
7899	73.79	537.75	159.47	741.17	168.29
16604	73.71	61.54	25.94	88.21	26.77
25087	73.7	38.08	24.46	100.81	75.21
11152	73.67	186.78	106.84	347.81	128.05
19230	73.67	276.66	69.71	191.62	79.45
16704	73.67	1096.27	543.24	636.71	246.74
18742	73.64	890.26	597.59	348.27	118.54
1640	73.62	32.29	13.18	53.68	22.73
11322	73.62	570.09	121.59	707.68	153.56
22918	73.56	92.07	80.7	30.87	17.21
23698	73.56	1548.07	1592.18	309.32	237.84
11849	73.55	844.24	144.27	709.23	125.29
18001	73.55	548.83	190.37	757.27	154.69
8490	73.54	204.48	63.75	299.89	91.72
22051	73.51	258.88	106.95	147.42	54.9
25363	73.5	591.88	255.04	857.83	389.42
8438	73.5	57.52	31.14	98.73	40.98
5996	73.5	159.2	44.36	236.79	75.36
20876	73.47	2650.93	742.89	2139.21	589.85
24262	73.47	489.17	120.75	369.47	91.5
8213	73.43	4912.91	1897.47	3437.62	1274.23
43	73.42	325.82	84.6	439.75	109.96
3816	73.39	443.14	71.75	363.33	64.33
15987	73.31	62.26	47.32	20.08	20.67

TABLE 5UUU: RAT-SPECIFIC					
Timepoint(s): Various					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
23035	73.3	473.9	123.19	646.68	172.92
20942	73.27	953.3	204.49	774.59	190
3381	73.27	141.94	34.99	110.43	30.51
2845	73.27	689.05	103.71	592.14	77.83
2150	73.23	630.81	141.33	830.26	130.29
20093	73.22	48.26	10.8	64.16	23.52
23731	73.22	101.69	20.69	130.28	28.17
1802	73.22	238.13	66.2	327.53	81.18
4312	73.2	235.82	224.84	33.76	63.24
3279	73.15	1088.81	437.58	708.82	164.9
21355	73.15	917.83	844.58	259.39	201.32
4591	73.14	34.96	13.53	54.39	16.85
13967	73.11	22.92	28.23	41.7	22.6
21321	73.06	58.84	34.04	105.23	52.07
11205	73.03	724.82	212.26	968.6	208.4
15033	73.03	456.45	71.62	395.17	64.39
24313	73.03	456.07	59.17	390.07	51.2
22729	73.02	115.41	54.9	185.14	77.04
21933	72.99	4013.66	1903.79	5044.56	1583.57
19679	72.99	240.64	111.55	422.94	122.95
17758	72.99	1259.39	1342.92	351.61	238.28
21354	72.99	1398.38	1195.69	367.12	285.6
7073	72.98	47.32	27.22	67.34	27.33
23851	72.91	286.6	133	420.69	111.87
20842	72.91	406.62	61.29	342.19	55.12
21336	72.9	41.66	19.73	79.22	56.77
13489	72.9	70.09	15.02	91.25	22.4
6691	72.9	174.21	48.64	238.28	67.46
17887	72.87	889.35	265.66	1232.81	268.22
6825	72.87	551.84	111.71	430.92	97.87
3309	72.87	106.59	41.77	70.37	32.29
2917	72.86	448.21	83.45	368.22	91.48
12156	72.84	2561.41	3292.23	361.23	292.93
17766	72.83	603.51	92.66	491.63	80.16
8212	72.83	2740.78	989.8	1974.73	664.9
10626	72.83	1612.36	1089.21	1779.02	612.96
16124	72.82	113.44	50.99	186.16	65.39
12157	72.8	2870.9	3366.14	419.08	413.71
12644	72.78	26.28	44.78	78.85	56.42
18661	72.78	475.5	80.82	583.48	121.2
1653	72.78	329.58	81.83	395.72	79.72
1478	72.78	355.19	97.16	455.16	99.81
5052	72.75	2743.59	662.56	2176.68	543.34
10624	72.75	1390.56	948.63	1449.5	577.99
8899	72.74	756.2	151.64	940.24	173.69
4175	72.71	701.75	194.72	472.55	195.09
15109	72.63	256.6	46.04	222.37	48.99
7307	72.63	40.63	18.23	24.09	16.27
21975	72.63	182.91	70.69	272.58	66.08
18719	72.63	1332.18	856.5	1376.5	458.54
22099	72.62	145.43	58.7	238.89	86.05

TABLE 5UUU: RAT-SPECIFIC			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
16701	72.59	3333.07	963.58	2408.6	540.48
6598	72.58	105.96	43.94	176.32	75.3
8880	72.58	176.61	92.7	348.91	169.26
14181	72.58	121.73	30.27	163.68	39.99
5877	72.55	257.38	60.52	195.77	52.29
3844	72.55	98	47.59	62.86	23.35
19298	72.55	483.75	222.96	289.1	72.69
18891	72.55	721.37	444.53	298.66	102.51
2588	72.51	163.3	60.42	88.17	53.39
6788	72.51	188.62	118.49	130.87	63.84
4272	72.51	240.67	265.09	23.84	51.73
15181	72.5	54.31	21.75	81.57	24.71

TABLE 5VVV: CROSS-SPECIES			Attorney Docket 44921-5033-01-WO		
Timepoint(s): Various			Document No. 1935823.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22929	83.24	394.12	515.32	1534.77	686.66
2569	82.29	630.24	415.15	989.19	173.5
21977	82.24	464.63	198	780.41	175.78
11536	81.48	317.72	100.47	557.76	184.32
22930	80.14	191.46	207.77	653.18	319.12
6033	79.4	716.61	249.8	1062.57	212.84
9191	79.34	400.77	242.37	779.36	243.39
24321	79.16	512.27	249.23	887.31	195.16
12312	79.07	703.85	259.81	1057.79	204.56
25480	78.92	397.83	176.45	668.05	155.44
851	78.82	341.55	91.74	468.09	89.15
1246	78.71	47.51	26.09	87.31	25.08
9012	78.22	435.12	235.52	780.51	226.32
2799	78.2	275.26	185.42	572.83	193.68
7697	77.99	303.79	122.05	492.04	131.21
4330	77.94	1067.48	470.26	1662.6	338.32
18564	77.77	288.02	95.25	407.63	80.26
6015	77.74	1128.2	366.47	1629.76	315.95
3823	77.63	732.5	256.15	470.91	100.24
16701	77.57	1752.03	751.41	2408.6	540.48
5934	77.4	202.01	137.26	416.91	140.61
22928	77.34	119.56	120.44	339.96	175.3
633	77.16	1074.18	322.52	1421.84	214.49
15700	77.14	335.75	110.41	485.59	105.24
1973	77.02	295.11	83.61	422.87	94.38
17496	77	98.47	97.25	306.27	173.05
22931	76.98	56.52	55.7	167.43	94.51
22554	76.63	1092.05	405.08	1639.91	357.08
811	76.62	525.24	164.95	723.4	109.86
21025	76.47	45.64	43.97	98.56	42.78
15170	76.47	138.72	60.59	212.65	45.31
16993	76.45	770.2	335.43	1150.39	220.57
8549	76.4	445.47	209.86	734.11	181.93
14208	76.39	94.3	42.17	151.77	45.17
1409	76.15	313.43	130.02	435.65	95.7
4914	76.08	330.15	160.59	522.44	124.28
17401	76.04	265.35	158.54	498.58	206.08
11635	76.02	211.28	82.62	314.64	73.27
23558	75.99	261.81	102.73	350.64	60.25
19363	75.94	1048.83	748.25	2172.92	808.22
794	75.9	575.29	270.52	868.65	167.79
3131	75.76	309.17	146.46	478.47	135.26
13088	75.7	854.73	475.91	1406.97	347.29
10555	75.62	174.35	196.33	439.98	205.74
16703	75.61	885.99	410.35	1240.26	288.4
22558	75.53	2594.36	713.4	3411.61	649.46
4944	75.51	232.33	164.34	95.09	48.47
14103	75.42	170.7	89.26	297.35	100.28
11576	75.37	56.56	29.25	87.45	24.43
28	75.29	554.4	263.32	892.23	208.14
11492	75.22	382.49	130.76	562.76	136.61



TABLE 5VVV: CROSS-SPECIES			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935823.1		
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4440	75.11	621.12	189.68	864.55	164.84
22582	75.04	310.41	153.71	476.67	118.02
9245	75.04	34.54	47.52	98.03	51.12
22197	75	244.65	128.03	130.89	44.8
6263	75	219.3	78.4	310.15	77.5
16726	74.95	603.68	170.58	840.06	176.17
20299	74.81	518.22	242.38	810.65	203.15
20735	74.78	299.85	197.31	151.92	48.81
2911	74.77	891.72	374.36	1274.57	298.14
21125	74.74	133.83	99.32	245.99	76.24
10509	74.73	88.29	55.02	152.3	47.27
11404	74.73	352.06	185.14	179.08	60.59
7299	74.72	277.4	334.77	50.83	54.83
812	74.69	333.66	123.26	484.38	88.86
10545	74.63	305.05	117.99	191.15	51.01
2150	74.59	648.71	151.06	830.26	130.29
2670	74.58	127.9	89.66	238.24	91.62
4133	74.18	287.37	108.06	403.19	99.63
6060	74.15	410.22	130.87	518.5	90.31
14767	74.15	208.74	97.86	343.32	101.07
18522	74.03	339.47	122.61	451.2	104.55
2536	73.98	347.97	312.16	668.31	319.47
24645	73.91	305.06	111.1	420.1	127.47
15955	73.84	139.42	98.08	204.39	72.01
20707	73.76	457.33	395.34	623.34	229.96
19103	73.73	582.59	293.24	773.52	173.83
17844	73.7	292.3	148.99	157.02	53.46
7064	73.66	503.2	269.79	277.13	115.91
3995	73.64	1327.2	400.68	1729	293.19
7003	73.57	289.23	134.99	430.44	102.85
19952	73.46	87.65	48.13	137.17	46.34
24434	73.45	147.16	85.03	260.09	89.13
9053	73.36	46.21	33.99	81.05	25.99
15029	73.23	1123.39	601.02	1730.82	409.24
18910	73.23	740.94	419.74	1224.03	408.32
12946	73.2	276.11	97.58	366.92	78.63
32	73.19	237.1	79.79	314.26	72.46
24375	73.19	178.09	76.34	112.64	29.43
3822	73.17	1766.33	603.91	1232.97	284.07
2905	73.15	369.49	219.29	526.2	157.37
11742	73.13	175.84	78.95	265.18	72.76
2505	73.12	582.26	215.56	813.22	146.67
24366	73.12	130.31	57.4	199.22	52.88
4590	73.09	32.45	25.98	57.6	21.45
134	73.06	72.37	57.34	131.23	42.87
21173	73.06	139.08	74.53	212.42	66.08
6389	73.05	48.82	27.08	80.63	30.31
22234	73.03	118.62	61.1	195.39	66.14
23608	73	609.23	300.85	349.11	117.6
13757	72.94	149.31	60.7	208.87	41.84
20983	72.91	762.84	300.3	1062.51	225.58

TABLE 5VVV: CROSS-SPECIES			Attorney Docket 44921-5033-01-WO		
Timepoint(s): Various			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
17324	72.83	284.14	110.38	404.23	102.12
11830	72.83	866.49	395.25	558.85	145.17
7582	72.79	355.08	163.31	564.39	184.79
2484	72.76	194.77	169.63	403.94	204.93
9399	72.68	246.85	87	340.61	91.84
24162	72.68	954.37	293.68	1294.88	316.19
1529	72.67	477.23	134.23	605.6	103.81
2468	72.67	338.58	107.98	243.52	65.28
25702	72.63	610.48	179.64	456.71	78.13
8600	72.6	43.65	46.31	95.01	50.94
9754	72.57	110.59	100.98	243.75	125.44
15613	72.55	740.81	422.24	1276.17	623.89
7903	72.44	40.73	42.65	106.87	69.91
1478	72.43	325.94	119.44	455.16	99.81
7199	72.4	1384.25	465.85	1845.15	398.42
11403	72.4	371.7	287.29	125.79	105.44
573	72.36	643.56	296.49	975.07	295.14
14353	72.34	56.28	28.81	31.1	11.73
16885	72.31	1256.79	481.81	1715.81	408.9
10544	72.31	248.76	99.46	157.91	41.83
20694	72.3	326.2	160.75	460.4	125.61
11693	72.26	254.68	178.21	437.13	175.04
3031	72.26	34.99	22.59	74.78	38.3
17049	72.26	260.47	110.53	362.27	80.9
7617	72.21	188.2	126.55	286.76	113.63
20380	72.19	122.94	62.6	185.13	66.19
19069	72.16	525.73	232.3	823.36	292.8
5026	72.14	52.53	56.56	141.34	85.98
62	72.14	95.45	38.85	126.48	33.26
24284	72.09	46.1	25.25	26.4	9.87
13167	72.06	88.95	29.42	118.87	27.04
20734	72.04	304.72	184.9	157.58	54.3
3916	71.96	1153.89	480.43	1650.18	306.22
24811	71.96	1109.31	455.79	1611.89	321.31
18908	71.96	138.13	160.61	305.79	160.25
24771	71.95	850.49	356.84	1191.61	251.64
22368	71.93	932.35	292.47	1269.35	267.54
9905	71.91	517.94	174.33	687.19	116.87
6554	71.91	476.48	157.14	648.62	137.68
1753	71.86	332.32	161.4	473.76	147.26
4591	71.86	35.42	17.52	54.39	16.85
10109	71.82	1242.54	314.81	990.72	130.13
1501	71.78	674.84	419.83	444.37	117.97
25370	71.78	95.94	79.86	168.03	87.16
3934	71.77	1513.46	620.34	2092.23	459.8
6190	71.77	115.38	30.83	146.68	25.88
15372	71.76	230.28	76.59	166.84	33.84
19086	71.71	181.61	99.62	102.86	39.24
17334	71.68	255.48	129.36	154.43	51.81
15239	71.67	735.97	182.55	589.29	104.99
2149	71.67	809.63	210.72	1035.3	188.79

TABLE 5WV: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
4134	71.62	714.86	333.09	1003.63	288.21
7893	71.62	933.46	426	1316.07	348.51
2822	71.6	113.55	50.74	171.31	50.56
23075	71.57	262.8	121.45	154.33	70.02
7665	71.56	281.16	131.36	174.28	48.3
19085	71.45	126.63	61.48	74.3	28.75
13353	71.45	230.24	75.26	299.82	49.14
3365	71.45	630.75	267.71	857.68	194.93
14007	71.44	158.3	59.36	220.19	55.73
21978	71.43	124.71	51.41	194.2	62.83
18792	71.42	122.98	48.22	172.29	40.98
4951	71.39	347.16	186.61	163.59	126.43
16982	71.37	846.15	806.61	217.9	292.88
23445	71.37	144.75	123.58	261.76	108.44
22867	71.36	200.41	71.94	267.95	56.86
15089	71.36	253.17	143.75	143.81	54.42
2762	71.35	701.01	254.53	887.55	200.46
3431	71.34	1330.63	434.05	979.49	230.62
20503	71.31	668.44	359.37	995.08	297.94
24225	71.31	321.66	88.44	397.66	74.06
14512	71.27	791.91	361.34	1148.03	332.91
6604	71.26	26.65	19.24	43.55	15.59
19249	71.24	304.03	147.92	202.74	47.99
10886	71.24	730.33	287.1	1046.2	292.18
10984	71.24	802.42	375.97	1112.79	241.21
13749	71.22	31.36	20.88	50.79	20.84
14970	71.19	151.93	50.29	192.94	33.17
16765	71.18	190.04	77.82	257.16	57.64
24763	71.16	69.62	30.18	99.74	39.5
3145	71.15	489	190.63	677.04	169.61
16327	71.11	454.39	198.47	560.99	123.34
12332	71.1	68.52	126.38	185.76	113.94
5899	71.1	930.14	413.45	1287.79	254.28
19729	71.08	303.79	232.82	616.99	311.69
17591	71.05	175.12	74.27	119.36	24.95
8829	71.04	286.02	172.15	167.16	55.3
4670	71.03	901.92	702.31	370.87	215.27
7243	71.02	78.71	35.67	46.14	16.9
12958	71.02	838.44	339.37	1212.95	349.39
2532	71	33.67	79.66	119.79	81.06
8808	70.98	331.35	127.32	442.27	93.97
9016	70.97	1847.63	936.34	2925.18	883.92
7868	70.94	188.55	79.16	296.31	95.77
5943	70.92	417.65	251.42	723.51	291.6
10184	70.91	82.54	57.81	132.19	51.45
8387	70.91	227.23	69.53	308.51	58.02
12587	70.87	73.09	44.69	118.52	45.74
1099	70.87	179.35	73.75	239.9	63.52
14776	70.86	110.07	46.34	159.04	43.79
11021	70.86	180.38	91.1	281.58	84.48
7344	70.85	141.54	66.24	199.98	52.69

TABLE 5VVV: CROSS-SPECIES					
Timepoint(s): Various			Attorney Docket 44921-5038-01-WO		
GLC			Document No. 1935828.1		
Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
22370	70.85	198.41	77.32	280.23	76.9
15900	70.85	239.02	90.01	167.84	49.46
23874	70.82	295.61	144.88	187.68	69.09
22870	70.81	693.77	226.73	958.56	235.69
1479	70.8	227.52	87.45	317.81	84.69
15299	70.78	149.12	201.47	50.74	22.41
15684	70.78	466.9	183.19	322.59	81.12
5813	70.74	71.44	26.44	101.23	28.82
21707	70.73	90.05	86.85	28.22	26.82
22569	70.73	114.78	52.45	153.84	40.41
12361	70.73	335.35	252.61	436.16	157.59
5923	70.73	169.98	70.34	233.66	65.76
9292	70.71	103.79	33.86	72	22.06
14521	70.71	378.9	153.05	513.94	151.4
17225	70.67	195.04	96.2	118.27	46.57
3418	70.67	345.32	114.21	267.79	44.4
21097	70.66	1160.57	654.64	856.27	190.12
18909	70.63	1321.39	680.45	2030.18	629.64
17887	70.63	960.66	311.73	1232.81	268.22
6007	70.58	476.71	105.67	574.72	98.28
1877	70.57	596.77	248.33	719.16	151.81
16809	70.57	53.93	47.14	23.52	14.01
8215	70.56	515.08	206.26	349.32	68.7
13936	70.56	87.37	31.65	117.14	29.77
18507	70.54	868.8	287.79	643.75	144.25
18960	70.51	119.65	54.24	168.02	47.49
14083	70.5	423.13	196.39	588.93	152.15
16883	70.49	1669.09	503.82	2170.81	460.15
6016	70.47	1705.77	1204.55	2241.42	568.62
17703	70.47	290.62	88.28	366.57	67.04
15136	70.47	743.81	236.73	535.14	134.51
17524	70.47	2246.77	731.43	2927.49	618.74
17688	70.47	78.32	35.11	48.74	16.54
6715	70.46	200.56	51.43	250.69	47.65
16465	70.46	337.24	87.66	428.48	97.67
16364	70.45	136.06	115.14	197.06	76
9331	70.45	50.42	25.03	28.18	17.25
12331	70.44	226.27	122.01	353.91	112.9
10248	70.43	46.56	47.05	20.42	12.29
18606	70.42	873.98	233.92	680.36	116.77
6824	70.41	568.53	304.74	351.71	78.39
17339	70.4	563.4	381.68	920.39	432.57
24170	70.39	80.8	46.71	125.33	46.01
14312	70.39	411.7	123.23	520.59	124.96
6072	70.37	1663.64	663.25	1941.63	326.28
23584	70.35	179.59	131.26	234.93	66.45
5667	70.33	927.04	191.86	776.26	104.11
16204	70.33	898.67	220.96	727.47	111.06
13332	70.32	168.15	83.98	245.57	77.53
20757	70.31	404.81	250.37	242.31	54.88
1430	70.31	51.39	65.28	103.05	58.96

TABLE 5VVV: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
3189	70.31	67.11	40.68	122.56	61.99
17847	70.31	616.51	172.14	736.93	125.72
3791	70.3	193.24	56.31	235.97	46.45
11228	70.3	603.64	216.76	792.46	203.62
5874	70.28	92.97	43.42	128.57	38.7
8132	70.28	81.73	37.4	49.75	22.13
9067	70.28	905.02	319.12	657.76	172.4
15016	70.28	536.98	184.44	385.15	96.31
22038	70.27	155.38	55.42	113.17	25.26
17963	70.27	79.62	37.82	113.3	44.12
17009	70.2	129.88	155.48	260.53	165.61
21439	70.17	88.75	70.01	161.04	67.26
2818	70.17	365.52	82.6	298.38	49.62
8339	70.16	65.35	30.78	90.94	28.43
19712	70.16	110.98	53.23	150.13	43.73
4143	70.12	386.09	124.01	513.41	127.96
6017	70.11	455.13	455.31	914.37	485.04
7888	70.11	330.85	125.48	235.58	51.54
12064	70.08	496.79	236.18	643.13	155.3
21396	70.08	367.11	132.67	497.52	120.61
23783	70.05	450.8	137.01	583.47	119.36
4091	70.05	411.19	128.17	319.94	68.41
912	70.05	423.5	105.72	335.35	64.63
24883	70.02	137.1	67.79	189.86	51.6
23055	70.01	53.83	57.88	111.9	77.42

TABLE 5WWW: CROSS-SPECIES					
Timepoint(s): Various					
Attorney Docket 44921-5038-01-WO					
Document No. 1935328.1					
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
18564	77.77	288.02	95.25	407.63	80.26
1973	77.02	295.11	83.61	422.87	94.38
10555	75.62	174.35	196.33	439.98	205.74
28	75.29	554.4	263.32	892.23	208.14
6263	75	219.3	78.4	310.15	77.5
2150	74.59	648.71	151.06	830.26	130.29
2670	74.58	127.9	89.66	238.24	91.62
4133	74.18	287.37	108.06	403.19	99.63
32	73.19	237.1	79.79	314.26	72.46
24366	73.12	130.31	57.4	199.22	52.88
4590	73.09	32.45	25.98	57.6	21.45
21173	73.06	139.08	74.53	212.42	66.08
6389	73.05	48.82	27.08	80.63	30.31
22234	73.03	118.62	61.1	195.39	66.14
23608	73	609.23	300.85	349.11	117.6
20983	72.91	762.84	300.3	1062.51	225.58
11830	72.83	866.49	395.25	558.85	145.17
2468	72.67	338.58	107.98	243.52	65.28
15613	72.55	740.81	422.24	1276.17	623.89
7199	72.4	1384.25	465.85	1845.15	398.42
3031	72.26	34.99	22.59	74.78	38.3
20380	72.19	122.94	62.6	185.13	66.19
62	72.14	95.45	38.85	126.48	33.26
5026	72.14	52.53	56.56	141.34	85.98
13167	72.06	88.95	29.42	118.87	27.04
24811	71.96	1109.31	455.79	1611.89	321.31
4591	71.86	35.42	17.52	54.39	16.85
25370	71.78	95.94	79.86	168.03	87.16
15372	71.76	230.28	76.59	166.84	33.84
2149	71.67	809.63	210.72	1035.3	188.79
4134	71.62	714.86	333.09	1003.63	288.21
2822	71.6	113.55	50.74	171.31	50.56
7665	71.56	281.16	131.36	174.28	48.3
13353	71.45	230.24	75.26	299.82	49.14
15089	71.36	253.17	143.75	143.81	54.42
22867	71.36	200.41	71.94	267.95	56.86
3431	71.34	1330.63	434.05	979.49	230.62
24225	71.31	321.66	88.44	397.66	74.06
10886	71.24	730.33	287.1	1046.2	292.18
19249	71.24	304.03	147.92	202.74	47.99
14970	71.19	151.93	50.29	192.94	33.17
24763	71.16	69.62	30.18	99.74	39.5
12958	71.02	838.44	339.37	1212.95	349.39
8808	70.98	331.35	127.32	442.27	93.97
10184	70.91	82.54	57.81	132.19	51.45
22370	70.85	198.41	77.32	280.23	76.9
7344	70.85	141.54	66.24	199.98	52.69
23874	70.82	295.61	144.88	187.68	69.09
22870	70.81	693.77	226.73	958.56	235.69
15684	70.78	466.9	183.19	322.59	81.12
12361	70.73	335.35	252.61	436.16	157.59

TABLE 5WWW: CROSS-SPECIES			Attorney Docket 44921-5038-01-WO		
Timepoint(s): Various			Document No. 1935323.1		
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
14521	70.71	378.9	153.05	513.94	151.4
9292	70.71	103.79	33.86	72	22.06
17887	70.63	960.66	311.73	1232.81	268.22
16809	70.57	53.93	47.14	23.52	14.01
13936	70.56	87.37	31.65	117.14	29.77
8215	70.56	515.08	206.26	349.32	68.7
18507	70.54	868.8	287.79	643.75	144.25
17703	70.47	290.62	88.28	366.57	67.04
16465	70.46	337.24	87.66	428.48	97.67
6715	70.46	200.56	51.43	250.69	47.65
24170	70.39	80.8	46.71	125.33	46.01
16204	70.33	898.67	220.96	727.47	111.06
5667	70.33	927.04	191.86	776.26	104.11
13332	70.32	168.15	83.98	245.57	77.53
1430	70.31	51.39	65.28	103.05	58.96
3791	70.3	193.24	56.31	235.97	46.45
9067	70.28	905.02	319.12	657.76	172.4
8132	70.28	81.73	37.4	49.75	22.13
5874	70.28	92.97	43.42	128.57	38.7
17963	70.27	79.62	37.82	113.3	44.12
17009	70.2	129.88	155.48	260.53	165.61
2818	70.17	365.52	82.6	298.38	49.62
21439	70.17	88.75	70.01	161.04	67.26
19712	70.16	110.98	53.23	150.13	43.73
8339	70.16	65.35	30.78	90.94	28.43
4091	70.05	411.19	128.17	319.94	68.41
23783	70.05	450.8	137.01	583.47	119.36
23055	70.01	53.83	57.88	111.9	77.42
61	69.98	43.11	34.64	68.42	38.71
1431	69.97	304.54	211.24	469.38	169.13
5952	69.93	221.53	194.8	79.84	48.41
19443	69.91	1182.78	501.22	1438.37	331.54
18795	69.91	700.4	295.08	490.13	135.43
410	69.89	141.63	90.07	194.83	67.95
14207	69.87	29.52	17.55	44.01	17.85
15371	69.87	331.77	97.25	260.03	52.79
5110	69.86	437.63	192.67	295.49	63.7
20984	69.85	956.59	344.93	1256.43	239.8
20797	69.83	654.12	204.7	824.52	159.26
6471	69.8	382.01	180.29	543.69	172.42
12082	69.78	245.81	155.26	354.64	143.66
25479	69.75	984.3	282.3	1258.29	225.92
17532	69.71	377.61	166.47	522.06	150.36
23502	69.71	94.84	50.43	160.19	66.07
17427	69.7	966.21	290.24	1167.73	185.59
9952	69.68	232.91	65.76	183.55	43.37
13966	69.66	213.92	69.07	165.16	28.18
19274	69.62	119.19	46.21	158.27	48.59
12551	69.62	196.02	110	245.07	64.72
21052	69.62	216.51	102.66	316.45	96.53
8303	69.62	126.32	79.66	162.68	55.53

-1141-

TABLE 5WWW: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935323.1	
GLCC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
7552	69.61	792.63	288.39	1042.29	230.88
3082	69.61	335.18	154.07	235.56	55.03
17104	69.6	667.73	196.44	505.08	94.35
7161	69.6	68.88	37.85	41.45	18.15
24290	69.6	2380.88	624.58	2979.79	584.6
23299	69.55	308.22	214.74	162.06	61.66
22060	69.52	157.67	57.22	214.67	62.93
2544	69.51	171.6	57.05	239.6	63.17
20778	69.49	61.34	20.43	77.02	17.03
20601	69.49	641.69	413.94	1060.41	403.83
5711	69.39	845.94	316.64	1151.27	304.37
8728	69.38	118	60.59	75.18	23.27
5608	69.38	147	55.51	103.48	25.47
8837	69.35	182.4	64.43	227.91	46.54
2140	69.29	64.21	59.65	97.81	49.35
23035	69.28	575.28	335.09	646.68	172.92
25701	69.28	110.34	41.63	149.74	44.71
20743	69.27	113.27	37.09	148.87	33.69
3032	69.27	92.49	64.8	165.88	78.14
2539	69.26	66.69	66.82	21.43	23.35
11191	69.24	623.1	600.72	1250.16	738.73
2486	69.23	415.77	170.38	549.44	138.08
10985	69.23	478.12	166.28	614.37	116.86
25039	69.22	762.14	293.16	1032.96	271.08
4650	69.21	104.52	71.46	53.88	49.17
18434	69.21	639.89	257.21	839.13	216.35
16449	69.18	211.57	186.98	362.39	155.56
4588	69.09	33.17	14.98	43.74	11.79
23124	69.09	163.15	48.22	193.9	33.95
2242	69.09	2594.76	1333.11	2431.24	702.72
5465	69.08	649.21	200.8	814.17	179.49
7134	69.08	122.91	39.59	158.86	40.4
6629	69.03	352.77	98.64	436.59	94.79
10562	69.02	170.94	63.73	221.77	54.11
16450	69	185.48	93.27	265.68	79.3
22584	68.99	27.24	15.48	40.72	17.62
26123	68.98	403.94	224.97	248.33	85.97
4866	68.94	323.56	220.59	407.79	144.67
14520	68.92	718.89	287.37	929.15	271.99
3202	68.9	312.29	148.94	204.06	59.69
6638	68.9	62.37	36.79	86.23	25.38
5466	68.87	142.15	56.41	100.61	24.64
23626	68.86	201.12	116.89	120.63	56.66
23192	68.81	277.27	117.81	196.73	57.65
4205	68.8	291.77	147.91	182.61	54.27
11561	68.8	222.61	82.98	161.97	43.32
8715	68.78	1933.02	1288.57	1534.57	369.02
22196	68.78	74.28	48.92	39.71	17.41
12639	68.77	1220.95	226.32	1066.08	134.55
15398	68.76	120.19	79.21	64.19	37.26
1846	68.76	489.04	119.47	574.7	96.78



-1142-

TABLE 5WWW: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935823.1	
Identifer	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21962	68.75	183.19	58.91	232.81	58.04
23440	68.73	111.58	125.59	224.77	150.16
10187	68.7	178.99	73.07	243.28	70.75
20862	68.7	208.89	100.37	291.27	85.54
14073	68.68	170.77	79.39	232.8	72.02
21353	68.67	1193.72	449.28	1469.14	294.93
2667	68.66	690.95	215.8	851.81	173.83
2897	68.66	60.98	33.47	39.56	17.93
17514	68.63	427.65	147.04	555.38	121.94
16922	68.63	697.44	197	879.16	162.12
6911	68.61	188.66	80.63	248.73	65.16
4235	68.61	416.89	162.07	298.92	94.14
11644	68.6	768.73	297.92	890.46	175.16
4917	68.6	208.76	60.29	258.79	46.71
7451	68.59	1396.7	510.59	1080.67	215.46
21164	68.57	268.4	126.78	380.18	136.64
1524	68.57	108.28	62.98	155.75	55.68
6382	68.56	143.14	99.56	76.63	44
7066	68.56	279.58	78.92	347.29	69.26
20872	68.56	931.08	305.64	720.26	134.29
7225	68.53	332.7	150.95	355.06	72.91
13682	68.52	196.76	70.68	140.85	50.89
10281	68.51	121.89	86.7	170.5	68.47
18128	68.51	96.48	30.33	125.94	28.58
17155	68.51	185.29	83.99	120.66	39.81
1921	68.5	363.23	239.85	168.76	106.57
10887	68.5	85.17	35.98	112.54	27.85
614	68.46	870.65	232.37	1078.33	221.09
11039	68.46	130.13	55.8	178.73	47.4
15679	68.45	214.51	94.52	146.93	48.35
20839	68.43	1299.47	285.16	1088.5	155.78
17896	68.42	85.62	39.55	121.53	39.19
24161	68.4	380.32	103.82	478.92	106.67
8520	68.4	321.68	100.94	397.37	82.51
13574	68.37	254.63	86.55	330.35	89.71
20123	68.36	223.68	125.26	329.84	88.65
15907	68.36	246.9	75.2	308.44	75.88
22037	68.35	332.69	78.56	406.31	99.09
14528	68.35	243.07	104.53	336.21	101.8
14139	68.31	40.39	18.21	56.2	16.32
17879	68.31	237.45	70.4	314.51	93.29
1314	68.3	230.14	67.58	180.59	33.52
17590	68.3	148.41	79.6	95.69	27.19
17897	68.27	373.2	150.32	485.53	116.46
6740	68.27	342.85	105.69	423.44	103.94
17752	68.26	379.9	128.36	495.89	132.62
4355	68.24	337.78	125.58	428.84	92.54
8210	68.23	191.77	115.98	107.02	55.62
18036	68.22	210.77	98.22	292.49	75.92
3266	68.22	180.68	49.15	150.45	28.28
11324	68.22	260.71	86.16	335.92	75.79

TABLE 5WWW: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935323.1	
CLIC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20895	68.19	135.62	62.17	177.96	51.29
17613	68.19	371.95	133.14	281.27	62.96
16320	68.19	79.42	28.99	105.75	30.18
18725	68.18	168.56	77.4	225.51	75.92
4198	68.17	1100.95	327.81	1091.61	171.92
1540	68.17	134.98	49.93	165.98	43.79
24277	68.14	269.91	98.59	196.18	57.35
14502	68.14	207.15	63.56	156.69	36.59
9009	68.14	385.05	87.95	476.29	94
17530	68.12	186.7	104.72	274.46	97.23
23606	68.1	631.68	410.82	352.05	127.82
2691	68.1	243.93	91.51	169.17	69.36
12247	68.1	122.48	84.05	183.46	74.07
8634	68.09	157.75	80.37	104.74	48.03
4843	68.09	421.66	118.6	517.97	107.18
19067	68.05	100.57	53.04	139.26	48.14
18107	68.05	401.43	109.81	326.56	59.27
4452	68.03	886.8	306.99	1156.6	282.66
11050	68.02	710.49	249.13	560.27	145.63
3417	68.01	516.14	177.77	395.17	73.1
6438	68.01	131.87	66.18	182.42	58.29
15365	68.01	891.2	333.93	645.16	125.31
24810	67.97	292.82	150.13	456.25	128.79
10018	67.97	260.2	118.71	181.9	54.89
255	67.96	387.64	145.8	480.23	103.61
8726	67.96	135.08	93.35	84.96	51.74
17549	67.95	764.29	177.53	623.69	117.53
356	67.93	149.32	111.95	147.29	46.36
24181	67.93	124.59	57.39	79	24.79
24501	67.93	634.23	157.53	521.34	86.23
23159	67.93	409.47	130.12	311.61	84.62
17664	67.92	416.69	253.9	243.35	93.43
19012	67.91	556.84	225.64	400.85	111.76
2444	67.91	119.69	68.66	181.52	65.2
4731	67.89	128.84	144.38	36.23	30.29
211	67.89	688.28	367.64	1176.91	592.79
12252	67.89	864.85	232.74	1019.13	201.64
1557	67.88	27.56	21.39	39.68	16.88
13054	67.88	69.13	23.41	50.93	18.64
1920	67.86	663.36	386.93	367.41	181.89
18672	67.85	110.77	40.71	80.47	24.88
2161	67.84	654.52	529	312.94	161.72
6440	67.83	404.48	194.32	254.8	98.77
10019	67.82	224.45	103.51	153.06	51.22
13670	67.82	85.24	34.32	115.46	30.25
23536	67.82	70.89	64	26.57	37.27
22820	67.81	426.5	191.71	281.27	81.11
22574	67.81	151.79	182.36	402.11	309.52
6783	67.81	102.58	60.82	62.89	27.41
6743	67.78	915.55	270.61	1159.37	250.96
19150	67.77	59.12	28.57	39.52	15.32

TABLE 5WWW: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935323.1	
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
21838	67.77	210.76	128.6	131	32.47
7584	67.75	737.74	638.32	941.43	380.24
2319	67.74	431.9	190.92	566.69	156.82
21094	67.74	196.77	179.38	236.13	119.75
24233	67.71	707.12	242.83	917.78	222.66
21380	67.71	91.28	39.48	62.47	21.33
20444	67.7	86.66	42.03	58.53	35.13
3143	67.69	306.33	89.19	372.02	81.41
6164	67.69	304.21	109.83	351.01	71.98
14138	67.68	40.91	15.33	55.41	16.48
15259	67.66	144.72	83.96	86.36	35.42
14510	67.66	2639.15	1226.17	3492.91	1098.51
768	67.65	1353.87	309.58	1606.83	258.79
8490	67.64	209.66	101.83	299.89	91.72
20600	67.64	396.9	327.67	658.07	301.6
9015	67.61	94.95	27.58	115.35	31.99
15393	67.58	369.85	111.39	441.55	88.84
13434	67.57	38.76	38.51	75.67	44.18
23183	67.57	165.28	92.68	230.55	80.47
8860	67.56	293.12	127.69	371.63	105.49
23080	67.54	835.84	421.03	1185.74	431.6
11361	67.54	256.98	93.87	332.77	76.04
4441	67.54	940.27	200.95	823.12	118.28
4282	67.54	1242.36	574.56	1740.79	486.02
19	67.53	756.02	301.64	554.06	147.6
21864	67.53	33.05	16.01	21.33	10.05
11660	67.51	118.01	46.41	89.3	23.43
17758	67.46	266.15	307.61	351.61	238.28
960	67.45	173.41	67.83	226.84	59.41
11849	67.45	856.64	223.48	709.23	125.29
17105	67.41	1117.43	283.69	927.38	194.54
13646	67.41	892.25	275.14	702.93	149.12
23524	67.38	104.4	64.83	57.27	45.13
3203	67.37	260.9	116.49	186.24	44.33
9620	67.35	601.38	150.52	510.43	89.37
17628	67.34	715.53	137.11	815.84	133.15
23417	67.31	280.95	101.29	212.05	48.37
14959	67.28	648.44	208.84	499.67	95.61
20427	67.26	900.06	205.07	756.53	127.69
4592	67.24	191.79	76.87	139.31	31.94
25691	67.23	1006.53	224.67	849.11	124.04
25443	67.21	948.41	328.6	1189.29	304.35
7067	67.21	276.13	89.4	353.46	81.75
1876	67.2	683.28	267.37	796.49	167.63
11455	67.17	71.61	53.39	38.9	56.02
1884	67.13	197.44	73.06	151.25	31.6
17123	67.11	131.52	45.5	100.68	25.77
8592	67.1	300.12	124.38	394.15	116.04
17533	67.08	233.09	125.6	325.28	114.38
10503	67.08	524.19	154.11	604.9	107.85
20755	67.06	108.77	121.18	40.79	20.85

TABLE 5WWW: GROSS-SPECIES					
Timepoint(s): Various					
Attorney Docket 44921-5038-01-WO					
Document No. 1935828.1					
GLC#	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
Identifier					
1801	67.05	80.93	38	58.49	13.68
17684	67.05	277.13	115.19	335.97	75.04
228	67.04	430.29	134.04	512.97	100.94
4450	67.02	158.06	59.2	205.63	53.79
13282	67.02	177.9	79.38	243.36	70.87
11966	67.02	242.44	73.67	303.73	74.19
15291	67.01	96.86	53.21	62.38	19.96
1546	67.01	261.52	83.92	312.59	65.76
16306	66.99	962.35	308.44	1149.73	219.02
1867	66.99	752.96	205.36	598.57	131.93
22927	66.99	40.88	25.81	23.29	11.74
23166	66.99	232.45	97.58	162.7	51.7
4451	66.98	210.67	85.74	279.48	77.2
2079	66.98	195.85	68.11	229.68	54.62
18349	66.97	91.09	56.53	57	16.75
9423	66.9	1057.08	514.83	774.04	189.98
19824	66.89	289.5	177.58	408.58	150.59
7872	66.89	249.18	74.82	309.91	69.56
20466	66.88	351.24	138.81	459.19	140.55
21693	66.87	753.8	200.49	928.07	172.96
1548	66.87	557.12	146.84	674.13	116.09
12606	66.79	621.18	287.04	774.78	201.18
4449	66.79	182.55	79.34	251.5	78.17
1928	66.79	236.45	106.82	304.98	83.91
20464	66.77	1529.62	469.75	1893.1	544.17
25078	66.73	298.95	95.41	381.76	95.92
15292	66.7	213.86	99.54	146.93	34.99
16947	66.69	935.36	340.75	1225.46	279.74
17894	66.68	63.47	35.12	44.27	12.96
17739	66.62	327.62	158.91	473.82	169.89
21950	66.54	591.42	162.54	722.6	133.4
64	66.53	106.64	45.7	142.61	39.25
797	66.48	33.59	18.66	21.12	10.22
4234	66.47	811.89	366.43	568.15	259.91
17394	66.45	430.68	162.8	313.15	83.46
20716	66.45	1369.01	385.55	1726.3	418.55
6108	66.42	138.02	56.31	101.93	28.25
19825	66.41	266.04	171.17	390.25	148.94
18038	66.41	197.25	91.33	261.09	81.35
20430	66.39	605.69	381.32	883.43	355.77
3244	66.39	59.66	21	73.82	18.62
355	66.39	70.96	66.99	64.66	25.6
20056	66.35	90.58	34.47	114.44	29.89
1562	66.34	747.81	250.42	929.74	181.21
23854	66.34	553.01	193.42	421.19	115.14
18299	66.32	121.08	27.91	100.58	18.9
16610	66.28	198.74	109.91	131.99	52.47
23202	66.28	104.82	47.11	128.44	35.84
24885	66.23	1023.96	260.94	855.24	149.18
2192	66.23	52.33	26.61	34.72	15.08
10185	66.23	61.21	41.3	90.19	37.18

TABLE 5WWW: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
15703	66.21	143.45	71.27	130.93	41.13
23203	66.2	88.78	49.95	104.63	36.15
17541	66.19	1759.77	1098.05	1588.11	444.98
17997	66.17	174.21	45.08	213.14	48.68
18727	66.12	1013.64	465.71	704.84	329.95
17886	66.1	1116.44	233.17	1289.74	227.21
18368	66.03	362.64	120.24	447.43	91.83
31	66.02	281.69	99.08	353.66	95.89
18369	66	120.27	64.54	169.25	49.47
25814	65.99	90.92	55.71	149.1	71.12
20819	65.96	89.28	35.9	69.1	14.18
17687	65.96	50.78	19.35	36.64	12.64
15926	65.95	472.3	167.38	621.88	200.71
4462	65.93	125.88	94.99	204.11	102.22
21066	65.9	73.4	26.64	55.33	14.27
8438	65.87	74.93	49.9	98.73	40.98
405	65.85	825.95	238.8	986.25	156.59
20744	65.83	609.22	527.99	289.69	178.47
8984	65.83	217.18	73.47	166.16	43.92
15718	65.83	58.42	26.79	78.5	26.27
25343	65.82	64.29	30.46	72.38	22.02
21123	65.81	778.23	292.41	1003.73	256.82
16125	65.8	82.9	47.25	98.5	35.99
23942	65.8	42.89	19.35	58.23	19.43
17269	65.76	395.29	125.05	498.17	130.91
1841	65.76	84.27	83.25	35.58	21.33
17448	65.76	76.75	46.78	47.96	26.33
1639	65.75	176.81	55.81	202.63	39.84
18611	65.73	1285.32	330	1076.99	206.89
21239	65.73	455.08	250.88	277.37	111.37
24707	65.72	1040.18	525.49	1331.32	396.29
13683	65.72	116.88	41.7	88.7	22.78
9528	65.71	163.77	124.25	209.98	82.15
5747	65.69	157.37	64.22	114.17	36.3
15069	65.68	758.44	411.73	942.45	358.93
9527	65.67	185.91	142.85	245.98	110.93
18726	65.64	301.13	112	375.83	101.91
13369	65.64	197.54	53.22	158.4	35.68
25453	65.64	286.4	81.98	338.69	69.45
24693	65.59	1558.64	625.1	1297.32	348.23
20931	65.57	345.69	231.81	455.91	200.33
16205	65.57	1268.71	312.26	1055.03	205.58
18695	65.55	90.63	38.86	118.94	42.21
1218	65.49	219.34	58.07	250.38	47.34
1678	65.49	103.4	40.36	131.17	34.94
20985	65.47	110.32	56.2	140.81	49.83
58	65.45	60.72	39.27	39.87	13.54
14973	65.44	53.97	100.44	72.85	93
14003	65.4	159.86	161.69	149.52	54.17
1460	65.4	401.02	317.53	250.09	60.17
17379	65.39	161.54	88.67	102.86	54.69

TABLE 5WWW: CROSS-SPECIES				Attorney Docket 44921-5038-01-WO	
Timepoint(s): Various				Document No. 1935828.1	
GLGC Identifier	LDA_Score	Tox_Mean	Tox_SD	NonTox_Mean	NonTox_SD
20986	65.38	233.32	122.44	359.92	161.6
24019	65.35	42.24	35.05	20.47	16.32
22321	65.33	163.77	229.38	56.29	25.91
20	65.32	436.74	195.19	326.74	105.14
70	65.31	401.51	167.75	499.1	122.27
21975	65.27	258.36	101.5	272.58	66.08
15378	65.26	99.27	39.13	124.82	35.27
8267	65.24	703.24	383.23	973.99	404.92
15175	65.23	195.72	64.31	238.77	56.67
494	65.22	24.44	32.56	46.1	33.38
1694	65.19	1206.41	266.14	1040.67	177.4
19543	65.18	57.88	22.48	44.67	24.04
20844	65.18	809.4	218.34	681.31	144.38
17962	65.16	60.01	23.14	76.18	26.95
24657	65.16	53.84	32.67	75.25	31.19
22862	65.16	373.99	171.99	470.34	124.66
19745	65.16	63.45	27.98	46.34	14.67
3071	65.12	71.42	31.53	51.03	17.31
15654	65.1	378.32	147.51	303.37	91.13
17531	65.1	635.42	193.54	804.08	204.83
12083	65.09	189.53	108.48	258.03	109.22
17512	65.06	382.5	92.9	437.7	86.56
1521	65.05	202.1	111.43	137.4	51.17
25687	65.05	1428.29	309.52	1220.32	198.1
5496	65.04	427.7	199.98	510.54	122.43
13480	65.04	618.09	187.25	751.59	169.92
16257	65.02	404.02	145.61	520.25	157.53
11170	65.01	724.71	233.25	596.8	121.58

## WE CLAIM:

1. A method of predicting at least one toxic effect of a compound, comprising:
  - (a) preparing a gene expression profile of a tissue or cell sample exposed to the compound; and
  - (b) comparing the gene expression profile to a database comprising at least part of the data or information of Tables 1-5.
2. A method of claim 1, wherein the gene expression profile prepared from the tissue or cell sample comprises the level of expression for at least one gene.
3. A method of claim 2, wherein the level of expression is compared to a Tox Mean and/or Non-Tox Mean value in Tables 1-5.
4. A method of claim 3, wherein the level of expression is normalized prior to comparison.
5. A method of claim 4, wherein the database comprises substantially all of the data or information in Tables 1-5.
6. A method of claim 1, wherein the tissue or cell sample is a liver tissue or liver cell sample.
7. A method of predicting at least one toxic effect of a compound, comprising:
  - (a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW; wherein differential expression of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW is indicative of at least one toxic effect.
8. A method of predicting the progression of a toxic effect of a compound, comprising:

(a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW, wherein differential expression of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW is indicative of toxicity progression.

9. A method of predicting the hepatotoxicity of a compound, comprising:

(a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW, wherein differential expression of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW is indicative of hepatotoxicity.

10. A method of identifying an agent that modulates the onset or progression of a toxic response, comprising:

(a) exposing a cell to the agent and a known toxin; and  
(b) detecting the expression level of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW; wherein differential expression of the genes in Tables 1-3 is indicative of toxicity.

11. A method of predicting the cellular pathways that a compound modulates in a cell, comprising:

(a) detecting the level of expression in a tissue or cell sample exposed to the compound of two or more genes from Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW, wherein differential expression of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW is associated the modulation of at least one cellular pathway.

12. The method of any one of claims 7-11, wherein the expression levels of at least 3 genes are detected.



13. The method of any one of claims 7-11, wherein the expression levels of at least 4 genes are detected.
14. The method of any one of claims 7-11, wherein the expression levels of at least 5 genes are detected.
15. The method of any one of claims 7-11, wherein the expression levels of at least 6 genes are detected.
16. The method of any one of claims 7-11, wherein the expression levels of at least 7 genes are detected.
17. The method of any one of claims 7-11, wherein the expression levels of at least 8 genes are detected.
18. The method of any one of claims 1-3, wherein the expression levels of at least 9 genes are detected.
19. The method of any one of claims 1-3, wherein the expression levels of at least 10 genes are detected.
20. A method of claim 7 or 8, wherein the effect is selected from the group consisting of carcinogenesis, cholestasis, hepatitis, liver enlargement, inflammation, liver necrosis, liver steatosis and peroxisome proliferation.
21. A method of claim 9, wherein the hepatotoxicity is associated with at least one liver disease pathology selected from the group consisting of carcinogenesis, cholestasis, hepatitis, liver enlargement, inflammation, liver necrosis, liver steatosis and peroxisome proliferation.
22. A method of claim 11, wherein the cellular pathway is modulated by a toxin selected from the group consisting of acetaminophen, 2-acetylaminofluorene (2-AAF),

acyclovir, ANIT, AY-25329, BI liver toxin, chloroform, bicalutamide, carbon tetrachloride, chloroform, CI-1000, clofibrate, colchicine, CPA, diclofenac, diflunisal, dimethylnitrosamine (DMN), dioxin, 17 $\alpha$ -ethinylestradiol, gemfibrozil, hydrazine, indomethacin, LPS, menadione, phenobarbital, tacrine, thioacetamide, valproate, Wy-14643 and zileuton.

23. A set of at least two probes, wherein each of the probes comprises a sequence that specifically hybridizes to a gene in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW.
24. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 3 genes.
25. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 5 genes.
26. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 7 genes.
27. A set of probes according to claim 23, wherein the set comprises probes that hybridize to at least 10 genes.
28. A set of probes according to any one of claims 23-27, wherein the probes are attached to a solid support.
29. A set of probes according to claim 28, wherein the solid support is selected from the group consisting of a membrane, a glass support and a silicon support.
30. A solid support comprising at least two probes, wherein each of the probes comprises a sequence that specifically hybridizes to a gene in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW.

31. A solid support of claim 30, wherein the solid support is an array comprising at least 10 different oligonucleotides in discrete locations per square centimeter.
32. A solid support of claim 31, wherein the array comprises at least about 100 different oligonucleotides in discrete locations per square centimeter.
33. A solid support of claim 31, wherein the array comprises at least about 1000 different oligonucleotides in discrete locations per square centimeter.
34. A solid support of claim 31, wherein the array comprises at least about 10,000 different oligonucleotides in discrete locations per square centimeter.
35. A computer system comprising:
- (a) a database containing information identifying the expression level in a tissue or cell sample exposed to a hepatotoxin of a set of genes comprising at least two genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW; and
  - (b) a user interface to view the information.
36. A computer system of claim 35, wherein the database further comprises sequence information for the genes.
37. A computer system of claim 35, wherein the database further comprises information identifying the expression level for the set of genes in the tissue or cell sample before exposure to a hepatotoxin.
38. A computer system of claim 35, wherein the database further comprises information identifying the expression level of the set of genes in a tissue or cell sample exposed to at least a second hepatotoxin.
39. A computer system of any of claims 35-38, further comprising records including descriptive information from an external database, which information correlates said genes to records in the external database.

40. A computer system of claim 39, wherein the external database is GenBank.
41. A method of using a computer system of any one of claims 35-38 to present information identifying the expression level in a tissue or cell of at least one gene in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW, comprising:
- (a) comparing the expression level of at least one gene in Tables 1-3 in a tissue or cell exposed to a test agent to the level of expression of the gene in the database.
42. A method of claim 41, wherein the expression levels of at least two genes are compared.
43. A method of claim 41, wherein the expression levels of at least five genes are compared.
44. A method of claim 41, wherein the expression levels of at least ten genes are compared.
45. A method of claim 41, further comprising the step of displaying the level of expression of at least one gene in the tissue or cell sample compared to the expression level when exposed to a toxin.
46. A method of claim 10, wherein the known toxin is a hepatotoxin.
47. A method of claim 43, wherein the hepatotoxin is selected from the group consisting of acetaminophen, 2-acetylaminofluorene (2-AAF), acyclovir, ANIT, AY-25329, BI liver toxin, chloroform, bicalutamide, carbon tetrachloride, chloroform, CI-1000, clofibrate, colchicine, CPA, diclofenac, diflunisal, dimethylnitrosamine (DMN), dioxin, 17 $\alpha$ -ethinylestradiol, gemfibrozil, hydrazine, indomethacin, LPS, menadione, phenobarbital, tacrine, thioacetamide, valproate, Wy-14643 and zileuton.

48. A method of any one of claims 7-11, wherein nearly all of the genes in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW are detected.
49. A method of claim 48, wherein all of the genes in at least one of Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW are detected.
50. A kit comprising at least one solid support of any one of claims 30-34 packaged with gene expression information for said genes.
51. A kit of claim 50, wherein the gene expression information comprises gene expression levels in a tissue or cell sample exposed to a hepatotoxin.
52. A kit of claim 51, wherein the gene expression information is in an electronic format.
53. A method of any one of claims 7-11, wherein the compound exposure is *in vivo* or *in vitro*.
54. A method of any one of claims 7-11, wherein the level of expression is detected by an amplification or hybridization assay.
55. A method of claim 54, wherein the amplification assay is quantitative or semi-quantitative PCR.
56. A method of claim 54, wherein the hybridization assay is selected from the group consisting of Northern blot, dot or slot blot, nuclease protection and microarray assays.
57. A method of identifying an agent that modulates at least one activity of a protein encoded by a gene in Tables 5B, 5H, 5J, 5P, 5R, 5Y, 5AA, 5CC, 5EE, 5KK, 5OO, 5QQ, 5YY, 5AAA, 5CCC, 5JJJ, 5QQQ, and 5WWW comprising:
- (a) exposing the protein to the agent; and

(b) assaying at least one activity of said protein.

58. A method of claim 57, wherein the agent is exposed to a cell expressing the protein.

59. A method of claim 58, wherein the cell is exposed to a known toxin.

60. A method of claim 59, wherein the toxin modulates the expression of the protein.

61. A method of claim 1, wherein the level of expression is compared to a Tox Mean and/or Non-Tox Mean value in Tables 5A-5WWW.

62. A method of claim 61, wherein the level of expression is normalized prior to comparison.

63. A method of claim 62, wherein the tissue or cell sample is a liver tissue or liver cell sample.

64. A computer system comprising:

(a) a database containing information identifying the expression level in a tissue or cell sample exposed to a hepatotoxin of a set of genes comprising substantially all of the genes in Tables 5A, 5C, 5D, 5E, 5F, 5G, 5I, 5K, 5L, 5M, 5N, 5O, 5Q, 5S, 5T, 5U, 5V, 5W, 5X, 5Z, 5BB, 5DD, 5FF, 5GG, 5HH, 5II, 5JJ, 5LL, 5MM, 5NN, 5PP, 5RR, 5SS, 5TT, 5UU, 5VV, 5WW, 5XX, 5ZZ, 5BBB, 5DDD, 5EEE, 5FFF, 5GGG, 5HHH, 5III, 5KKK, 5LLL, 5MMM, 5NNN, 5OOO, 5PPP, 5RRR, 5SSS, 5TTT, 5UUU and 5VVV; and

(b) a user interface to view the information.

65. An array comprising probes which individually specifically hybridize to substantially all of the genes in Tables 5A, 5C, 5D, 5E, 5F, 5G, 5I, 5K, 5L, 5M, 5N, 5O, 5Q, 5S, 5T, 5U, 5V, 5W, 5X, 5Z, 5BB, 5DD, 5FF, 5GG, 5HH, 5II, 5JJ, 5LL, 5MM, 5NN, 5PP, 5RR, 5SS, 5TT, 5UU, 5VV, 5WW, 5XX, 5ZZ, 5BBB, 5DDD, 5EEE, 5FFF,

5GGG, 5HHH, 5III, 5KKK, 5LLL, 5MMM, 5NNN, 5OOO, 5PPP, 5RRR, 5SSS, 5TTT,  
5UUU and 5VVV.

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: MOLECULAR HEPATOTOXICOLOGY MODELING

(57) Abstract: The present invention is based on the elucidation of the global changes in gene expression and the identification of toxicity markers in liver tissues or cells exposed to a known toxin. The genes may be used as toxicity markers in drug screening and toxicity assays. The invention includes a database of genes characterized by liver toxin-induced differential expression that is designed for use with microarrays and other solid-phase probes.



WO 03/064624 A3



## INTERNATIONAL SEARCH REPORT

International Publication No.

PCT/US03/03194

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/48; G06F 19/00

US CL : 702/19, 27

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 702/19, 27

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,218,122 B1 (FRIEND et al.) 17 April 2001 (17.04.2001), see column 1, lines 50-61; column 7, lines 5-15, column 9, lines 15-19; column 10, lines 40-46 and lines 57-64;	1-6, 12-19 and 53-56
—		-----
Y	column 11, lines 35-45; column 13, lines 49-56; column 21, lines 52-56 and column 23, lines 19-26.	7 and 20
Y	US 2001/0049139 A1 (LAGASSE et al.) 06 December 2001 (06.12.2001), see paragraphs 0032 and 0042.	7 and 20

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;"

document member of the same patent family

Date of the actual completion of the international search

24 June 2003 (24.06.2003)

Date of mailing of the international search report

02 JUL 2003

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/03194

## Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:  
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-7, 12-20 and 53-56; carcinogenesis and acetaminophen

Remark on Protest

☐  
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

**BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING**

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-7, 12-20, and 53-56, drawn to a method of predicting at least one toxic effect of a compound.

Group II, claim(s) 8, 12-17, 20, and 53-56, drawn to a method of predicting the progression of a toxic effect of a compound.

Group III, claim(s) 9, 12-17, 21, and 53-56, drawn to a method of predicting the hepatotoxicity of a compound.

Group IV, claim(s) 10, 12-17, and 53-56, drawn to a method of identifying an agent that modulates the onset or progression of a toxic response.

Group V claim(s) 11, 12-17, 22, and 53-56, drawn to a method of predicting the cellular pathways that a compound modulates in a cell.

Group VI, claim(s) 23-29, drawn to a set of at least two probes.

Group VII, claim(s) 30-34 and 50-52, drawn to a solid support comprising at least two probes.

Group VIII, claim(s) 35-49 and 64, drawn to a computer system with a database containing information identifying the expression level in a tissue or cell.

Group IX, claim(s) 57-63, drawn to a method of identifying an agent that modulates at least one activity of a protein encoded by a gene.

Group X, claim(s) 65, drawn to an array comprising probes which individually specifically hybridize to all of the genes in specified tables.

.2, they lack the same or corresponding special technical features for the following reasons:

Group I is directed to a method of predicting at least one toxic effect of a compound.

Group II is directed to a method of predicting the progression of a toxic effect of a compound.

Group III is directed to a method of predicting the hepatotoxicity of a compound.

Group IV is directed to a method of identifying an agent that modulates the onset or progression of a toxic response.

Group V is directed to a method of predicting the cellular pathways that a compound modulates in a cell.

Group VI is directed to a set of at least two probes.

Group VII is directed to a solid support comprising at least two probes.

Group VIII is directed to a computer system with a database containing information identifying the expression level in a tissue or cell.

Group IX is directed to a method of identifying an agent that modulates at least one activity of a protein encoded by a gene.

Group X is directed to an array comprising probes which individually specifically hybridize to all of the genes in specified tables.

# INTERNATIONAL SEARCH REPORT

PCT/US03/031

Clearly, these 10 Groups lack the same or corresponding special technical features. Thus, Groups I-X are directed to different special technical features and thus support this lack of unity.

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In order for more than one species to be examined, the appropriate additional examination fees must be paid. The species are as follows:

Specific to Groups I-V, VIII, and IX, the claims of these groups include a series of generic technical features directed to diseases (claim 20) and toxins (claim 22). The technical group containing diseases have 8 species. The technical group containing toxins have 30 species. These species within each technical feature is distinct characterized by its functional properties, thus, each is its own special technical feature.

The first Group has been identified as Group I having species of carcinogenesis and acetaminophen.

Election of a species of the disease and toxin is required for Groups I-V, VIII and IX. For each additional species for each Group, the fee for each additional Group is \$210.00 and each additional specie is \$210.

Specific to Groups VI, VII, and X, these inventions are directed to at least two sequences (4295 SEQ ID NOs) listed in specified tables and each SEQ ID Nos: has its own special technical features. Therefore, if Group VI, VII, or X is the elected Group, an additional fee of \$210.00 is required for each Group and \$210 for each pair of SEQ ID Nos: from 1-4295 (2148 pairs).

The total for search reports on the inventions of Group I-X and all the species is \$1,705,830.

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